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North Carolina
INSECTICIDE REPORT
for 1964



THE BULLETIN
of the

North Carolina Department of Agriculture

JAMES A. GRAHAM, Commissioner

Number 180

May, 1965

North Carolina

INSECTICIDE REPORT

for

January 1 - December 31, 1964



THE BULLETIN

of the

North Carolina Department of Agriculture

Raleigh, N. C.

JAMES A. GRAHAM, *Commissioner*

JOHN A. RIETZEL, *Assistant Commissioner*

E. W. CONSTABLE, *State Chemist*

Number 180

May, 1965

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Inspection and Analysis of Economic Poisons

Economic poisons or pesticides cover a large number of materials and mixtures intended for destroying, controlling, or repelling pests such as insects, weeds and other noxious plants, predatory animals and birds, soil-infesting pests such as nematodes, algae, snails and bacteria. Other examples are disinfectants, antiseptics and fungicides for use other than on living man or other animals, defoliants, various repellents, fly paper and other adhesive products whose action goes beyond simple mechanics, moth proofers, wood preservatives other than common paints, mildew controls, and seed fumigants and disinfectants.

An adequate and reliable supply of these products is as indispensable as is fertilizer in the production of food and fiber crops. Weed killers and defoliants are important adjuncts. The preservation of many products in storage and the control of domestic and industrial pests which affect both the health and welfare of human beings and animals are likewise dependent on such materials.

While encouraging the development and distribution of reliable products to serve these needs, and with due regard for public health and welfare, it is the purpose of the economic poisons law (the North Carolina Insecticide, Fungicide and Rodenticide Act of 1947, G. S. Article 4A, Chapter 106) to protect the public from adulterated, misbranded, worthless and dangerous products, and legitimate manufacturers from unscrupulous competition. Among other requirements, the law authorizes inspections, analyses of official samples taken from products offered for sale within the state and publication of results. With other pertinent information there is given in this issue of The Bulletin a list of registrants, a summary of registrations and detailed results of analyses of official samples taken throughout the state by inspectors of the department for the calendar year 1964. Included also are the North Carolina Aerial Crop-Dusting Law, regulations and registrants under that law, for 1964.

Before any brand of economic poison can be legally offered for sale in the state, it is required that it be registered with the Department of Agriculture. Application forms, furnished by the department, must be submitted in triplicate with copy of all labeling and claims. Applications must be accompanied by an inspection fee of ten dollars per brand and grade, payable to the North Carolina Department of Agriculture. All registrations expire December 31 of each year and are subject to re-registration with annual payment of inspection fees. Requirements are given in fuller detail in the "Brief of North Carolina Insecticide Law" on pages 6 and 7. Copies of the law and related regulations are available on request.

A statewide inspection service is maintained for the collection of official samples of economic poisons from farms, other users and dealers. Individual requests for inspections are followed up promptly.

Samples are sent to the department's laboratories for analysis and as soon as this work is completed, individual reports are forwarded to manufacturers, dealers and users. As a further means of reporting, an issue of The Bulletin covering a year's work as exemplified herewith, is published annually.

The economic poisons law gives control officials certain discretionary authority in dealing with borderline cases. The earnest cooperation of a great majority of manufacturers and dealers has been a valuable asset in the administration of the law.

Cooperative work by staff members of the North Carolina Experiment Station and Extension Service has been mutually beneficial and most helpful. Credit also is due members of the laboratory section for the highly satisfactory manner in which the analytical work has been carried out: H. A. Miller, Assistant State Chemist; Henry W. Barnes, Jr., William Buffaloe, Jerry Dismukes, Thomas Vick, George Winstead III, Chemists; Mrs. Frances Liles, Secretary; Henry O. Austin, George A. Brown, Jr., T. E. Carriker, Jr., H. C. McPhail, Thomas M. Parker, Inspectors; Charles Rand, Laboratory Helper.

Brief of North Carolina Insecticide Law

Commissioner of Agriculture, Raleigh, North Carolina.

Administrative
Officer

1. The name and address of the guarantor.
2. The brand name or trademark.
3. The net weight or measure.
4. A guaranteed analysis statement showing:
 - a. The name and percentage of each active ingredient.
 - b. The total percentage of inert ingredients.
5. Instructions for use, adequate for the protection of public.
6. A warning or caution statement adequate to prevent injury.
7. For economic poisons highly toxic to man:
 - a. The skull and crossbones.
 - b. The word "Poison" in red, on distinctly contrasting background.
 - c. An antidote for the poison.
8. When arsenic is present—the percentage of the total and of the water-soluble arsenic separately and as elemental (metallic) arsenic.

Information
Required to
Appear on
Package
Labels

Other General Requirements:

1. Strength and quality must not fall below that professed or claimed.
2. No false or misleading statements, design or other representation is permissible.
3. Imitations are not permitted.
4. Labeling may not refer to registration.
5. Labeling shall be legible and understandable.
6. Claims or directions for use may not deviate in substance, or composition vary, from representations made on registering.
7. Economic poisons must be sold in the registrant's or manufacturer's original package. If repackaged for sale, it loses its original identity and qualifies as a new product. As such it is subject to registration and all other provisions of the law. Responsibility rests on the repackaging agent.

General
Requirements

8. Economic poisons in powdered form of white or light color require distinct further coloring for safety.

Registration

Each brand and grade of economic poisons must be registered prior to sale (application forms are furnished by the department), subject to renewal annually, January 1st. Duplication of registration by secondary sellers is not required.

Application must be accompanied by full information (see package labeling above), including specimen of labeling, all claims, and, if called for, certain additional data when necessary in qualifying the product.

Inspection Tax

An annual inspection tax of \$10.00 for each brand and each grade is required.

Method of Paying

Inspection tax must accompany application for registration, payable to the North Carolina Department of Agriculture.

Refusal or Cancellation of Registration

Registration is subject to refusal or cancellation for cause and upon hearing.

Stop-Sale Orders

Goods not measuring up to requirements are subject to Stop-Sale Orders.

Short Weight

Short weight, in addition to above, is subject to penalty.

Exempt from Penalties of Law Are:

Exemptions

1. Carriers engaged in legal transporting.
2. Public official while performing official duties.
3. Manufacturers and shippers of products properly identified for experimental use only.
4. Persons shown to be proceeding in good faith on guarantees and representations given by others. The original guarantor then is liable.

NOTE: Copies of the economic poisons law may be obtained upon request to the Inspection Division, North Carolina Department of Agriculture, Raleigh, North Carolina.

Economic Poisons Registrants, 1964

- ACELINE PRODUCTS CORPORATION
P. O. Box 236
Rochester 5, New York
- ACME QUALITY PAINTS, INC.
8250 St. Aubin Avenue
Detroit 11, Michigan
- AERO-MASTER, INC.
325 W. Pacific Avenue
St. Louis 19, Missouri
- AIRE-MASTER, CORPORATION
Alpine Road, & US #1
Columbia, South Carolina
- AIRKEM, INC.
241 East 44th Street
New York 17, New York
- AIROSOL COMPANY, INC.
525 N. 11th Street
Neodesha, Kansas
- ALCO CHEMICAL COMPANY
19220 Pioneer Blvd.
Artesia, California
- ALFORD HOME PRODUCTS
P. O. Box 239
Middlesex, North Carolina
- ALLEN-CROWL COMPANY
1559 Allentown Road
Lima, Ohio
- ALLIED CHEMICAL CORPORATION
Barrett Division
P. O. Box 270
Morristown, New Jersey
- ALLIED CHEMICAL CORPORATION
General Chemical Division
P. O. Box 70
Morristown, New Jersey
- ALLIED DRUG PRODUCTS COMPANY
P. O. Box 871
Chattanooga 1, Tennessee
- ALLIED PRODUCERS & SUPPLY
COMPANY
P. O. Box 3421
Charlotte 3, North Carolina
- ALL STAR MILLS, INC.
P. O. Box 271
Albemarle, North Carolina
- AMCHEM PRODUCTS, INC.
Brookside Road
Ambler, Pennsylvania
- AMERICAN CYANAMID COMPANY
P. O. Box 400
Princeton, New Jersey
- AMERICAN CYANAMID COMPANY
Household Products Dept.
859 Berdan Avenue
Wayne, New Jersey
- AMERICAN MINERAL SPIRITS
COMPANY
Div. of The Pure Oil Company
Mountain Avenue
Murray Hill, New Jersey
- AMERICAN OIL COMPANY
910 S. Michigan Avenue
Chicago 80, Illinois
- AMERICAN PAPER & PLASTIC
PRODUCTS, INC.
4425 N. Port Washington Road
Milwaukee, Wisconsin
- AMERICAN SCIENTIFIC
LABORATORIES, INC.
Div. of Schering Corporation
60 Orange Street
Bloomfield, New Jersey
- AMERICAN STERILIZER COMPANY
2424 W. 23rd Street
Erie, Pennsylvania
- AMWAY SALES CORPORATION
7575 E. Fulton Road
Ada, Michigan
- ANDROC CHEMICAL COMPANY
7301 W. Lake Street
Minneapolis, Minnesota
- ANIMAL REPELLENTS, INC.
980 Ellicott Street
Buffalo 9, New York
- A-PENN OIL COMPANY
P. O. Box 191
Butler, Pennsylvania
- APEX CHEMICAL COMPANY
617 Salem Street
Apex, North Carolina
- ARMOUR AGRICULTURAL CHEMICAL
COMPANY
908 Va. National Bank Bldg.
Norfolk, Virginia
- ARMOUR GROCERY PRODUCTS
COMPANY
1355 W. 31st Street
Chicago 9, Illinois
- ARNOTT CHEMICAL & EXTERMINAT-
ING CO.
249 Mass. Avenue
Indianapolis 4, Indiana
- ASPDEN ASSOCIATES, INC.
P. O. Box 1737
Greensboro, North Carolina
- ATLA CHEMICAL COMPANY, INC.
415 S. Spring Street
Greensboro, North Carolina
- ATLANTIC CHEMICAL CORPORATION
P. O. Box 930
Hendersonville, North Carolina
- ATLANTIC & PACIFIC TEA CO.,
THE GREAT
2024 Thrift Road
Charlotte, North Carolina
- ATLAS AGRICULTURAL CHEMICALS,
INC.
P. O. Box 169
Waynesboro, Georgia
- AVRIL, INCORPORATED
Third & Greenwich Sts.
Reading, Pennsylvania
- AYERST LABORATORIES, INC.
685 Third Avenue
New York 17, New York

- BABBITT, B. T., INC.
20 Broadway
Albany 1, New York
- BARKER, MOORE & MEIN COMPANY,
INC.
P. O. Box 18
Lebanon, Pa.
- BAUER & BLACK
Division of the Kendall Co.
309 W. Jackson Blvd.
Chicago 6, Illinois
- BELL COMPANY, INC.
411 N. Wolcott Avenue
Chicago 22, Illinois
- BEN VENUE LABORATORIES, INC.
270 Northfield Rd.
Bedford, Ohio
- BERLOU MANUFACTURING COMPANY
421 Monroe Street
Marion, Ohio
- BEST ENTERPRISES, LTD.
Formerly-BEST EXTERMINATING
SERVICE
317 W. Pettigrew St.
Durham, North Carolina
- BIO-LAB, INC.
P. O. Box 89
Decatur, Georgia
- BLACK LEAF PRODUCTS COMPANY
6147 N. Broadway
Chicago 40, Illinois
- BLACK MAGIC COMPANY
P. O. Box 466
Valdosta, Georgia
- BLACK PANTHER COMPANY, INC.
P. O. Box 690
Sanford, North Carolina
- BLUE MAGIC COMPANY OF N. C., INC.
509 S. Lodge Street
Wilson, North Carolina
- BOHLENDER PLANT CHEMICALS, INC.
Tipp City
Ohio
- BON AMI COMPANY, INC., THE
51 Garfield Street
Holyoke, Mass.
- BONIDE CHEMICAL COMPANY
382 N. Genesee Street
Utica 4, New York
- BORDEN COMPANY, THE
Tykor Products Div.
350 Madison Avenue
New York, New York
- BORDERLAND PRODUCTS, INC.
560 Fulton Street
Buffalo, New York
- BOYER CHEMICAL COMPANY
1611 Church Street
Evanston, Illinois
- BOYLE-MIDWAY INC.
685 Third Avenue
New York 17, New York
- BROWN MANUFACTURING COMPANY
1-3 Church Street
Le Roy, New York
- BYRD, INC., F. M.
275 East Main Avenue
Gastonia, North Carolina
- CALIFORNIA CHEMICAL COMPANY
Ortho Division
Richmond 4, California
- CALUMET & HECLA, INC.
Calumet Division
1 Calumet Avenue
Calumet, Michigan
- CAPE FEAR CHEMICALS, INC.
P. O. Box 695
Elizabethtown, North Carolina
- CAPITOL CHEMICAL COMPANY
3255 Prospect Avenue, N. W.
Washington, D. C.
- CARAJON CHEMICAL COMPANY, INC.
505 South Division
Fremont, Michigan
- CARBOLA CHEMICAL COMPANY, INC.
Natural Bridge
New York
- CARBOLINEUM WOOD PRESERVING
COMPANY
6683-N. 40th St.
Milwaukee, Wisconsin
- CARDINAL CHEMICALS COMPANY
Div. of Cardinal Products, Inc.
P. O. Box 1611
Durham, North Carolina
- CARMEL CHEMICAL CORPORATION
P. O. Box 406
Westfield, Indiana
- CAROLINA CHEMICAL CORPORATION
P. O. Box 70
Wilson, North Carolina
- CAROLINA CHEMICALS, INC.
P. O. Box 128
West Columbia, South Carolina
- CAROLINA FEED STORE
279 E. Main Avenue
Gastonia, North Carolina
- CAROLINA PACKING HOUSE
SUPPLIES, INC.
Green Sea Road
Tabor City, North Carolina
- CARTER'S DRUGS & SEEDS
31 Barnard Street
Savannah, Georgia
- CARTER INSECTICIDE & CHEMICAL
COMPANY, INC.
P. O. Box 209
Wallace, North Carolina
- C-B DRUG COMPANY
2219 Freedom Drive
Charlotte 8, North Carolina
- CENTER CHEMICAL COMPANY
P. O. Box 1888
Atlanta, Georgia

- CENTRAL CHEMICAL CORPORATION
49 N. Jonathan Street
Hagerstown, Maryland
- CHAMBERS-GODFREY MFG. CO.
302-04 Broadway
Martin, Tennessee
- CHAPMAN CHEMICAL COMPANY
P. O. Box 3158
Memphis, Tennessee
- CHAPMAN, M. A.
P. O. Box 691
Canton, North Carolina
- CHASE PRODUCTS COMPANY
(and/or S & S Products Div.)
19th & Gardner Rd.
Broadview, Ill.
- CHEMAGRO CORPORATION
P. O. Box 4913
Kansas City 20, Missouri
- CHEMCO INDUSTRIALS, INC.
1420 S. Wilmington St.
Raleigh, North Carolina
- CHEMICAL CORPORATION OF
AMERICA
P. O. Box 1480
Sanford, Florida
- CHEMICAL & EQUIPMENT SALES
& SERVICE COMPANY (CESSCO,
INC.)
P. O. Box 135
Charlotte 1, North Carolina
- CHEMICAL INSECTICIDE
CORPORATION
30 Whitman Avenue
Metuchen, New Jersey
- CHEMICAL PRODUCTS CORPORATION
407 Juanita Street
Colorado Springs, Colorado
- CHEMISTRY HALL LABORATORIES
P. O. Box 255
Bradenton, Florida
- CHEM-SALTS, INC.
Box 25
Powder Springs, Georgia
- CHEMWAY CORPORATION
Fairfield Road
Wayne, New Jersey
- CHESTER CHEMICAL CORPORATION
2732 6th Ave., S.
St. Petersburg, Florida
- CHIPMAN CHEMICAL COMPANY, INC.
P. O. Box 309
Bound Brook, New Jersey
- CLARKE & PROCTOR TURPENTINE
CO., INC.
331-349 Worth Street
Fayetteville, North Carolina
- CLEAN HOME PRODUCTS, INC.
2805 Locust Street
St. Louis, Missouri
- CLEARY CORP., W. A.
P. O. Box 749
New Brunswick, New Jersey
- CLOROX COMPANY, THE
P. O. Box 599
Cincinnati 1, Ohio
- COAHOMA CHEMICAL COMPANY, INC.
P. O. Box 550
Clarksdale, Mississippi
- COASTAL CHEMICAL CORPORATION
P. O. Box 627
Greenville, North Carolina
- COBRA PRODUCTS, INC.
Las Margaritas 102
Rio Piedras, Puerto Rico
- COLGATE-PALMOLIVE COMPANY
300 Park Avenue
New York 22, New York
- COLONIAL PRODUCTS, INC.
P. O. Box 6325
West Palm Beach, Florida
- COLONIAL STORES, INC.
P. O. Box 4358
Atlanta, Georgia
- COMET MANUFACTURING
CORPORATION
1381 Dalon Dr., N.E.
Atlanta, Georgia
- COMMON SENSE MFG. CO., INC.
1392 Niagara Street
Buffalo, New York
- CONSOLIDATED CHEMICAL, INC.
1470 So. Vandeventer Avenue
St. Louis, Missouri
- CONSOLIDATED PAINT & VARNISH
CORP.
The East Ohio Building
Cleveland 14, Ohio
- COOK CHEMICAL COMPANY
2500 Summit Street
Kansas City, Missouri
- COOPER, WILLIAM & NEPHEWS, INC.
1909 N. Clifton Avenue
Chicago 14, Illinois
- COUGHLAN, G. N. CO., INC.
29 Spring Street
West Orange, New Jersey
- COWLEY, S. L. & SONS MFG. CO.,
INC.
708 W. McAlester Street
Hugo, Oklahoma
- CRE-O-TOX CHEMICAL PRODUCTS CO.
2670 Broad Avenue
Memphis, Tennessee
- CUTTER LABORATORIES, INC.
Fourth & Parker Streets
Berkeley 10, California
- DAIRY ASSOCIATION CO., INC.
Lyndonville
Vermont
- DALY-HERRING COMPANY
Adkin & University Streets
Kinston, North Carolina

DARWORTH INCORPORATED

Cuprinol Division
656 Hopmeadow Street
Simsbury, Conn.

DAUBERT CHEMICAL COMPANY

2000 Spring Road
Oak Brook, Illinois

DAVIES-YOUNG SOAP CO., THE

705 Albany Street
Dayton 1, Ohio

d-CON COMPANY, INC., THE

1450 Broadway
New York 18, New York

DEL CHEMICAL CORPORATION

W158 N9332 Nor-X-Way Avenue
Menomonee Falls, Wisconsin

DESOTO CHEMICAL COMPANY, INC.

P. O. Box 70
Arcadia, Florida

DESTRUXOL CORPORATION, LTD.

1450 West 228th Street
Torrance, California

DETTELBAACH PESTICIDE

CORPORATION
4103 Peachtree Rd., N.E.
Atlanta 19, Ga.

DEWITT CHEMICAL COMPANY

1310 Seaboard Ind. Blvd. N.W.
Atlanta, Georgia

DIAMOND ALKALI COMPANY

300 Union Commerce Bldg.
Cleveland 14, Ohio

DILL COMPANY, INC., THE

Washington St. & McKinley Ave.
Norristown, Pa.

DIVERSEY CORPORATION, THE

212 W. Monroe St.
Chicago 13, Illinois

DIXI CHEM COMPANY

520 W. 31st Street
Chattanooga, Tennessee

DOUGLAS CHEMICAL COMPANY

P. O. Box 350
Liberty, Missouri

DOUGLAS CHEMICAL CO, INC., THE

P. O. Box 6541
Richmond, Virginia

DOW CHEMICAL COMPANY, THE

825 E. Main Street
Midland, Michigan

DRACKETT PRODUCTS COMPANY, THE

5020 Spring Grove Avenue
Cincinnati 32, Ohio

DUN WIN COMPANY

136 Elm Street
S. Williamsport, Penn.

DU PONT DE NEMOURS & CO., E. I.

6054 Du Pont Bldg.
Wilmington, Delaware

EAGLE CHEMICAL COMPANY, INC.

P. O. Box 8127
Chattanooga, Tennessee

EDWARDS-COUNCILOR CO., INC.

121 Colley Avenue
Norfolk 10, Va.

ELANCO PRODUCTS COMPANY

A Div. of Eli Lilly and Co.
740 So. Alabama Street
Indianapolis 6, Indiana

ELECTROLUX CORPORATION

235 East 42nd St.
New York 17, New York

EMERY INDUSTRIES, INC.

4300 Carew Tower
Cincinnati 2, Ohio

EMPIRE LABORATORIES

700 Marietta St., N.W.
Atlanta 18, Georgia

ETHICON, INC.

Route #22
Somerville, New Jersey

EXCELL CHEMICAL CORPORATION

4901 Umbria Street
Philadelphia 27, Pennsylvania

E-Z FLOR CHEMICAL COMPANY

317 Baxter Avenue
Louisville, Kentucky

FAESY & BESTHOFF, INC.

143 River Road
Edgewater, New Jersey

FAIRFAX BIOLOGICAL LABORATORY

P. O. Box 126
Clinton Corners, New York

FAIRFIELD CHEMICAL DIVISION

Food Machinery & Chemical Corp.
100 Niagara Street
Middleport, New York

FAR-BEST, CORP.

6715 McKinley Avenue
Los Angeles 1, Calif.

FARMERS COOPERATIVE EXCHANGE, INC.

P. O. Box 1069
Statesville, North Carolina

FEDERAL CHEMICAL COMPANY, INC.

2701 Winthrop Avenue
Indianapolis 5, Indiana

FERGUSON CO., ALEX. C.

44 East Oregon Avenue
Philadelphia 48, Pa.

FLORIDA AGRICULTURAL SUPPLY COMPANY

Div. Wilson & Toomer Fert. Co.
P. O. Box 658
Jacksonville, Florida

FORSHAW CHEMICALS, INC.

P. O. Box 6055
Charlotte, North Carolina

FRANKLIN RESEARCH COMPANY

5134 Lancaster Avenue
Philadelphia, Pa.

FRENCH COMPANY, THE R. T.

1 Mustard Street
Rochester, New York

FRONTIER CHEMICAL COMPANY
Division of Vulcan Materials Co.
P. O. Box 545
Wichita, Kansas

GASTON JOHNSTON CORPORATION
24-64 45th Street
Long Island City 3, New York

GEIGY AGRICULTURAL CHEMICALS
Div. of Geigy Chemical Corp.
P. O. Box 430
Yonkers, New York

GEORGIA-CAROLINA OIL COMPANY
P. O. Box 4304
Macon, Georgia

GEORGIA GULF SULFUR CORP.
Spring Creek Road
Bainbridge, Ga.

GETEM MANUFACTURING COMPANY,
INC.
1261 West 42nd Street
Norfolk 8, Virginia

GLAMORENE, INC.
175 Entin Road
Clifton, New Jersey

GLAMUR PRODUCTS, INC.
1024 Montgomery Street
Syracuse 3, New York

GLIDDEN COMPANY, THE
800 Union Commerce Bldg.
Cleveland 14, Ohio

GLOBE LABORATORIES
Div. of Chas. Pfizer & Co., Inc.
P. O. Box 4309
Fort Worth 2, Texas

GLOVER, H. CLAY CO., INC.
1001 Franklin Ave.
Garden City, New York

GORDON CHEMICAL COMPANY
300 S. Third Street
Kansas City, Kansas

GRACE, W. R. & COMPANY
Davison Chemical Div.
P. O. Box 357
Cary, North Carolina

GRAHAM CHEMICAL COMPANY, INC.
1407 Battleground Avenue
Greensboro, North Carolina

GREAT LAKES CHEMICAL CORP.
753 Warner Bldg.
Washington 4, D. C.

GREEN LIGHT COMPANY
P. O. Box 6845
San Antonio, Texas

GREEN THUMB PRODUCTS
P. O. Box 6543
Toledo 12, Ohio

GREEVER'S
Chilhowie
Virginia

GRISSMER COMPANY, EARL
712 E. 64th Street
Indianapolis, Ind.

GUARDIAN CHEMICAL COMPANY
P. O. Box 1354
Atlanta 1, Ga.

GULF OIL CORPORATION
P. O. Box 1519
Houston 1, Texas

GURMICO CHEMICALS, INC.
P. O. Box 146
Princeton, North Carolina

GUSTAFSON MFG. CO., INC.
6501 Cambridge St.
Minneapolis 26, Minnesota

H & M CHEMICAL CO., INC.
43 Green Street
Sumter, South Carolina

HANKSCRAFT COMPANY
728 Booster Blvd.
Reedsburg, Wisconsin

HAPPY JACK, INC.
P. O. Box 475
Snow Hill, North Carolina

HARRIS, J. M. & CO., INC.
P. O. Box 411
Roanoke, Virginia

HARRIS, P. F. MFG. CO., INC.
101 W. 8th Street
North Little Rock, Arkansas

HARRIS PRODUCTS COMPANY, INC.
P. O. Box 4
Miami Beach 39, Florida

HARTZ MOUNTAIN PRODUCTS
CORPORATION
50 Cooper Square
New York 3, New York

HELLER LABORATORIES, INC.
A Div. of B. Heller & Co.
Calumet Avenue & 40th St.
Chicago 53, Illinois

HERCULES POWDER COMPANY
910 Market Street
Wilmington, Delaware

HERITAGE HOUSE PRODUCTS, INC.
701 S. Front Street
Philadelphia, Pa.

HERTRON CHEMICAL COMPANY
P. O. Box 3322
Charlotte 3, N. C.

HESS & CLARK, INC., DR.
Div. of Richardson-Merrell, Inc.
7th & Orange Sts.
Ashland, Ohio

HILL MANUFACTURING COMPANY
1500 Jonesboro Road, SE
Atlanta 15, Georgia

HILLYARD SALES COMPANY
P. O. Box 909
St. Joseph 1, Missouri

HILO PRODUCTS, INC.
375 Park Avenue
New York 22, New York

HINTON & CO., INC.
67 Murray Street
New York 7, New York

- HOLCOMB MFG. COMPANY, J. I.
1601 Barth Avenue
Indianapolis, Indiana
- HOLLAND-RANTOS COMPANY, INC.
393 Seventh Avenue
New York 1, New York
- HOLLINGSHEAD CORP., R. M.
840 Cooper Street
Camden 2, N. J.
- HOLLYWOOD TERMITE CONTROL
COMPANY
2221 Poplar Boulevard
Alhambra, California
- HOOKER CHEMICAL CORPORATION
P. O. Box 344
Niagara Falls, New York
- HOPKINS AGRICULTURAL CHEMICAL
CO.
P. O. Box 584
Madison 1, Wisconsin
- HORIZON INDUSTRIES
P. O. Box 3968
Cleveland, Ohio
- HOT SHOT QUALITY PRODUCTS, INC.
701 N. Main Street
Memphis, Tennessee
- HOUSTON COMPANY, SAM
P. O. Box 662
Talladega, Alabama
- HOWERTON GOWEN CHEMICALS,
INC.
E. 11th Street
Roanoke Rapids, North Carolina
- HUGE COMPANY, INC., THE
P. O. Box 9502
St. Louis 12, Missouri
- HUMBLE OIL & REFINING COMPANY
P. O. Box 2180
Houston 1, Texas
- HUNT & COMPANY, INC.
1016 Raleigh Street
Greensboro, North Carolina
- HUNTINGTON LABORATORIES, INC.
970 Tipton Street
Huntington, Indiana
- HUTSON & SONS, H. G.
P. O. Box 2190
Atlanta 1, Georgia
- HYDROPONIC CHEMICAL COMPANY,
INC.
P. O. Box 97-C
Copley, Ohio
- INDUSTRIAL FUMIGANT COMPANY
923 State Line
Kansas City 1, Missouri
- INSECT CONTROL SALES & SERVICE
P. O. Box 488
Candor, North Carolina
- IONAC CHEMICAL COMPANY
Birmingham
New Jersey
- IRWIN-WILLERT COMPANY
Dale Chemical Co., Div.
4044 Park Avenue
St. Louis 10, Missouri
- J & F MANUFACTURING COMPANY
P. O. Box 40205
Houston, Texas
- JOHNSON & SON, S. C., INC.
1525 Howe Street
Racine, Wisconsin
- JORO, INC.
P. O. Box 411
Roanoke, Virginia
- KAY CHEMICAL COMPANY
131 W. High Street
High Point, North Carolina
- KENT EXTERMINATING COMPANY
45 Union Cemetery Road
Concord, North Carolina
- KERR CHEMICALS, INC.
Minit Spray Div.
1001 Northwest Highway
Des Plaines, Illinois
- KING CHEMICAL COMPANY
2342 South Lauderdale St.
Memphis, Tennessee
- KING CO., JAMES W.
6420 Elwood Avenue
Jacksonville 8, Florida
- KING RESEARCH, INC.
114-12th Street
Brooklyn 15, New York
- KLENZADE PRODUCTS
Div of Economics Lab., Inc.
P. O. Box 1020
Beloit, Wisconsin
- KOPPERS CO., INC.
1324 Koppers Bldg.
Pittsburgh, Pa.
- KVP SUTHERLAND PAPER COMPANY
243 E. Paterson Street
Kalamazoo, Michigan
- LABCO PET PRODUCTS COMPANY
281 Franklin Street
Boston, Mass.
- LAKE CHEMICAL COMPANY
P. O. Box 231
Calumet, Michigan
- LANGEN INDUSTRIES, INC.
714 Wall Street
Los Angeles, California
- LEGGEAR, INC., DR.
4161 Beck Avenue
St. Louis, Missouri
- LEHN & FINK PRODUCTS
CORPORATION
445 Park Avenue
New York 22, New York
- LESTER LABORATORIES, INC.
P. O. Box 4897
Atlanta, Georgia

LINCK DIV., O. E.
Walco-Linck Corp.
1234 State Hwy 46
Clifton, N. J.

LINDE COMPANY
Div. of Union Carbide Corp.
270 Park Avenue
New York 17, New York

LUSTER LEAF PRODUCTS, INC.
685 Metal Rd., N. E.
Atlanta, Georgia

MCCORMICK & CO., INC.
414 Light Street
Baltimore 2, Maryland

MCKESSON LABORATORIES
P. O. Box 548
Bridgeport, Connecticut

MCLAUGHLIN GORMLEY KING CO.
1715 Fifth St., S.E.
Minneapolis 14, Minn.

MABEX COMPANY, THE
Umbria & Lemonte Streets
Philadelphia 27, Pa.

MAINTENANCE SUPPLY SERVICE
CORP.
P. O. Box 498
Huntersville, North Carolina

MALLINCKRODT CHEMICAL WORKS
P. O. Box 2525
New York, New York

MARK LABORATORIES, INC.
7007 Kelly Street
Pittsburgh 8, Pa.

MARTIN, C. J. & SONS
1181 Airport Blvd.
Austin 2, Texas

MASTER PRODUCTS COMPANY
P. O. Box 531
Fayetteville, North Carolina

MASURY-YOUNG COMPANY
76 Roland Street
Boston 29, Mass.

MAXWELL INSECTICIDE COMPANY,
INC.
(Now: W. R. Grace & Company)
P. O. Box 5627
Raleigh, North Carolina

MEHERRIN AGRICULTURAL & CHEM.
CO.
Severn
North Carolina

MICHIGAN CHEMICAL CORPORATION
500 N. Bankson Street
St. Louis, Michigan

MIDLAND LABORATORIES
210-220 Jones Street
Dubuque, Iowa

MIKE, INC.
P. O. Box 92
Newland, N. C.

MILLER CO., B. E.
P. O. Box 127
Hancock, Maryland

MILLER CHEMICAL & FERTILIZER
CORP.
3006 West Cold Spring Lane
Baltimore, Maryland

MILLS-PEARSON CORP.
Dianol Division
P. O. Box 10968
St. Petersburg, Florida

MOLONY FERTILIZER COMPANY
P. O. Box 314
Charleston, South Carolina

MOMAR, INCORPORATED
1830 Ellsworth Industrial Dr., N.W.
Atlanta 18, Georgia

MONA INDUSTRIES, INC.
65-75 E. 23rd St.
Paterson 17, New Jersey

MONSANTO CHEMICAL COMPANY
800 North Lindbergh Blvd.
St. Louis, Missouri

MORTON CHEMICAL COMPANY
Div. of The Morton Salt Co.
110 N. Wacker Drive
Chicago, Illinois

MOTOMCO, INC.
89 Terminal Avenue
Clark, New Jersey

MUTUAL PRODUCTS COMPANY
509 North Fourth Street
Minneapolis, Minn.

NALCO CHEMICAL COMPANY
6216 W. 66th Pl.
Chicago 38, Illinois

NATIONAL CHEMSEARCH CORP.
P. O. Box 217
Irving, Texas

NATIONAL HOG MEDICINE COMPANY
P. O. Box 1634
Raleigh, North Carolina

NATIONAL LABORATORIES
Div. of Lehn & Fink Prods. Corp.
445 Park Avenue
New York, New York

NIAGARA CHEMICAL DIVISION
Food Machinery & Chemical Corp.
P. O. Box 1709
Jacksonville 1, Florida

NIP-CO MANUFACTURING, INC.
200 Main Street
New Rochelle, New York

NORCLIFF LABORATORIES
P. O. Box 471
Fairfield, Connecticut

NORDA ESSENTIAL OIL & CHEM.
CO., INC.
601 West 26th Street
New York 1, New York

NUODEX PRODUCTS DIVISION
Heyden Newport Chemicals Corp.
300 East 42nd Street
New York, New York

NUTRILITE PRODUCTS, INC.
5600 Beach Boulevard
Buena Park, California

- OAKWOOD MEDICAL CENTER, INC.
6711 Kingston Pike, SW
Knoxville, Tennessee
- ODOR-AIRE, INC.
1019 E. 2nd
Wichita, Kansas
- OLIN MATHIESON CHEMICAL CORP.
P. O. Box 390
Williamston, N.C.
Baltimore 3, Maryland
- ONE-SPOT COMPANY
P. O. Box 217
Jessup, Maryland
- OPITZ, INC., JOHN
50-14 39th Street
Long Island City 4, New York
- PAPER PRODUCTS INCORPORATED
P. O. Box 5158
Long Beach 5, California
- PARA INDUSTRIES, INC.
225 W. 34th Street
New York 1, New York
- FARKE, DAVIS & COMPANY
Foot of Joseph Campau
Detroit 32, Michigan
- PARRAMORE & GRIFFIN SEED CO.,
INC.
108 S. Toombs Street
Valdosta, Ga.
- PARROTT CHEMICAL CO., THE
Sunnyside Avenue
Stamford, Conn.
- PAXTON ENTERPRISES
Drawer A
Palacios, Texas
- PEARSON & COMPANY
151 N. Commerce St.
Mobile, Alabama
- PEELE COMPANY, INC., W.R.
P. O. Box 275
Clayton, North Carolina
- PENICK & COMPANY, S. B.
100 Church Street
New York 8, New York
- PENNSALT CHEMICALS CORP.
Three Penn Center Plaza
Philadelphia 2, Pa.
- PENNSALT CHEMICALS CORPORATION
Agricultural Chemicals Div.
2901 Taylor Way
Tacoma, Washington
- PENNSYLVANIA ENGINEERING
COMPANY
1107-21 N. Howard Street
Philadelphia 23, Pa.
- PENNSYLVANIA REFINING COMPANY
P. O. Box 671
Butler, Pennsylvania
- PEST-GUARD PRODUCTS, INC.
731 W. Davis Street
Dallas 8, Texas
- PET CHEMICALS, INC.
1038 N.W. 21st Ter.
Miami, Florida
- PFEIFFER CO., THE
3965 Laclede Avenue
St. Louis 8, Missouri
- PFIZER & COMPANY, INC. CHAS.
235 E. 42nd Street
New York, New York
- PHELPS DODGE REFINING
CORPORATION
300 Park Avenue
New York 22, New York
- PIC CORPORATION
28-30 Canfield Street
Orange, New Jersey
- PILOT PRODUCTS COMPANY
124 W. Main Street
Pilot Mountain, N. C.
- PIONEER MANUFACTURING CO.,
THE
3053 E. 87th Street
Cleveland, Ohio
- PITTSBURGH PLATE GLASS COMPANY
One Gateway Center
Pittsburgh 22, Pa.
- PLANTERS CHEMICAL CORPORATION
3111 Virginia Beach Blvd.
Norfolk 16, Virginia
- PLOUGH, INC.
3022 Jackson Avenue
Memphis, Tennessee
- POLK MILLER PRODUCTS
CORPORATION
2007 North Hamilton Street
Richmond, Virginia
- POPLIN CHEMICAL COMPANY
P. O. Box 300
Statesville, N. C.
- PRATT CO., B. G.
204 21st Ave.
Paterson, N. J.
- PRATER WHOLESALE CO., E. H.
Route #3
Seneca, South Carolina
- PROCTER & GAMBLE CO., THE
P. O. Box 599
Cincinnati 1, Ohio
- PROGRESS CHEMICAL COMPANY
Canton
Georgia
- PROTECTION PRODUCTS MFG. CO.
2305 Superior Avenue
Kalamazoo, Michigan
- PUREX CORPORATION, LTD.
5101 Clark Avenue
Lakewood, Calif.
- PYRROLE CHEMICAL CORP.
817 Spring Lane
Portsmouth, Ohio
- QUINTON COMPANY
Div. of Merck & Co., Inc.
Rahway, New Jersey
- RALSTON PURINA COMPANY
835 South Eighth Street
St. Louis, Missouri

- RAWLEIGH COMPANY, THE W. T.
223-225 E. Main Street
Freeport, Illinois
- REARDON LABORATORIES, INC.
W. G.
330 North Main Street
Port Chester, New York
- REEFER-GALLER, INC.
521 Fifth Avenue
New York 17, New York
- REICHOLD CHEMICALS, INC.
Tuscaloosa
Alabama
- REXAIR, INCORPORATED
c/o The Ottawa Chemical Company
700 N. Wheeling Street
Toledo 5, Ohio
- REXALL DRUG COMPANY
8480 Beverly Boulevard
Los Angeles 54, California
- RIGO MANUFACTURING COMPANY
P. O. Box 1188
Nashville, Tennessee
- RINGER CORP., JUDD
3355 Republic Avenue
Minneapolis 26, Minn.
- R-L LABORATORIES, INC.
245 Fifth Avenue
New York, New York
- ROCON, INC.
Forest
Virginia
- RODENT CONTROL FUND, N. C. STATE
COLLEGE
P. O. Box 5577
Raleigh, North Carolina
- ROHM & HAAS COMPANY
222 W. Washington Square
Philadelphia 5, Pa.
- ROTENONE PRODUCTS COMPANY
110 Eaton Pl.
East Orange, New Jersey
- ROYAL CHEMICAL CO., INC.
P. O. Box 922
Albemarle, North Carolina
- ROYSTER CHEMICAL COMPANY
West Pine Street
Farmville, North Carolina
- RUST-OLEUM CORPORATION
2425 Oakton Street
Evanston, Illinois
- SABINE CHEMICAL COMPANY, INC.
P. O. Box 1206
Port Arthur, Texas
- SALSBUARY'S LABORATORIES, DR.
500 Gilbert Street
Charles City, Iowa
- SANFAX CORP.
P. O. Box 604
Atlanta, Georgia
- SAPRISE CHEMICALS, INC.
P. O. Box 682
Greer, South Carolina
- SAUER, THE C. F. COMPANY
2000 West Broad Street
Richmond 20, Virginia
- SCHERING CORPORATION
60 Orange Street
Bloomfield, New Jersey
- SCOTT & SONS CO., O. M.
Marysville
Ohio
- SEABOARD SEED COMPANY
701 S. Front Street
Philadelphia 47, Pa.
- SEACOAST LABORATORIES, INC.
156 Perry Street
New York 14, New York
- SEARS, ROEBUCK & COMPANY
925 South Homan Avenue
Chicago 7, Illinois
- SELIG COMPANY, THE
342 Marietta St., N.W.
Atlanta 13, Georgia
- SENORET CHEMICAL COMPANY, INC.
631 Leffingwell Avenue
St. Louis, Missouri
- SEXTON & COMPANY, JOHN
P. O. Box 8281
Philadelphia 1, Pa.
- SHELL CHEMICAL COMPANY
110 W. 51st Street
New York 20, New York
- SHELL OIL COMPANY
50 W. 50th Street
New York 20, New York
- SHEPARD CHEMICAL WORKS
Hwy. 74
Wilmington, North Carolina
- SHERWIN-WILLIAMS COMPANY
P. O. Box 269
Bound Brook, New Jersey
- SHULTON, INC.
697 Route 46
Clifton, New Jersey
- SIGNAL OIL AND GAS COMPANY
P. O. Box 5008
Houston 12, Texas
- SINGLETARY, F. B. AND CO.
(Now: Singletary and Co., Inc.)
143 S. Washington Street
Rocky Mount, North Carolina
- SMITH-DOUGLASS CO., INC.
P. O. Box 419
Norfolk, Virginia
- SMITH SEED, INC.
315 Lynn Street
Danville, Va.
- SMITH SPECIALTIES CO., T. W.
P. O. Box 5146
Charlotte, North Carolina
- S. C. PEACH GROWERS ASSOCIATION
P. O. Box 928
Spartanburg, South Carolina

- SOUTHERN AGRICULTURAL CHEMICALS, INC.
P. O. Box 238
Kingstree, South Carolina
- SOUTHERN AGRICULTURAL INSECTICIDES, INC.
P. O. Box 352
Hendersonville, North Carolina
- SOUTHERN TESTING & RESEARCH LABS.
607 Park Avenue
Wilson, North Carolina
- SPINDLE CITY CHEMICAL CO.
P. O. Box 444
Sumter, South Carolina
- SPIRITTINE CHEMICAL COMPANY
P. O. Box 233
Wilmington, North Carolina
- SPRAYWAY, INC.
7644 Vincennes Ave.
Chicago 20, Illinois
- STALFORT PRESSURE-PAK, INC.
2012 Hammonds Ferry Road
Baltimore 27, Maryland
- STANDARD LABORATORIES, INC.
201 Tabor Road
Morris Plains, New Jersey
- STANDARD PACKAGING CORP.
200 E. 42nd Street
New York 17, New York
- STANDARD SPRAY & SUPPLY COMPANY
P. O. Box 63
Lakeland, Florida
- STAUFFER CHEMICAL COMPANY
P. O. Box 5388
Tampa 5, Florida
- STEARNS CHEMICAL CORPORATION
4200 Sycamore Avenue
Madison 4, Wisconsin
- STEARNS' ELECTRIC PASTE COMPANY
220 So. State Street
Chicago, Illinois
- STEPHENSON CHEMICAL COMPANY
P. O. Box 188
College Park, Georgia
- STERLING COMPANY, INC., THE
2801-05 Locust Street
St. Louis 3, Missouri
- STERNO, INC.
300 Park Avenue
New York 22, New York
- STERWIN CHEMICALS, INC.
90 Park Avenue
New York 18, New York
- STULL'S CHEMICALS, INC.
P. O. Box 6386
San Antonio 9, Texas
- SUN OIL COMPANY
1608 Walnut Street
Philadelphia 3, Pa.
- SUWANNEE DRUG COMPANY
128 Central Avenue
Newberry, Florida
- SWEENEY, MFG., INC., W. R.
340 S. Main Street
Salisbury, Missouri
- SWIFT & COMPANY
Plant Food Division
P. O. Box 210
Wilmington, North Carolina
Norfolk 15, Virginia
- TANGLEFOOT COMPANY, THE
314 Straight Ave., S.W.
Grand Rapids, Michigan
- TAVOLEK LABORATORIES
Div. of McNeil Laboratories, Inc.
Camp Hill Road
Fort Washington, Pennsylvania
- TAYLOR CHEMICAL COMPANY
P. O. Box 337
Aberdeen, North Carolina
- TENNESSEE COPPER COMPANY
Div. Tennessee Corporation
44 Broad Street, N.W.
Atlanta, Georgia
- TESCO CHEMICALS, INC.
P. O. Box 6286
Atlanta, Georgia
- TEXAS REFINERY CORP.
P. O. Box 711
Fort Worth, Texas
- TEXIZE CHEMICALS, INC.
125 Broadus Avenue
Greenville, South Carolina
- THOMPSON CHEMICALS CORPORATION
3028 Locust Street
St. Louis 3, Missouri
- THOMPSON-HAYWARD CHEMICAL COMPANY
P. O. Box 768
Kansas City 41, Missouri
- THURON INDUSTRIES, INC.
Starbar Division
12200 Denton Drive
Dallas 34, Texas
- TRIANGLE CHEMICAL COMPANY
206 Lower Elm Street
Macon, Georgia
- TRU-WAY PRODUCTS DIVISION
125 Broadus Avenue
Greenville, South Carolina
- UNION CARBIDE CORPORATION
Consumer Products Company
Div. of Union Carbide Corp.
270 Park Avenue
New York 17, New York
- UNION CARBIDE CORPORATION
270 Park Avenue
New York 17, New York
- UNIT CHEMICAL CORPORATION
4161 Redwood Avenue
Los Angeles 66, California
- U. S. BORAX & CHEMICAL CORP.
3075 Wilshire Blvd.
Los Angeles 5, California

U. S. MARKETING, INC.
4428 Calliope Street
New Orleans, Louisiana

U. S. RUBBER COMPANY
Naugatuck Chemical Division
Elm Street
Naugatuck, Connecticut

UPJOHN COMPANY, THE
7171 Portage Road
Kalamazoo, Michigan

V-C CHEMICAL COMPANY
Div. of Socony Mobil Oil Co., Inc.
401 E. Main Street
Richmond, Virginia

VANDERBILT CO., INC., R. T.
230 Park Avenue
New York 17, New York ff

VANLOR INTERNATIONAL
P. O. Box 2175
Inglewood, California

VAPOR PRODUCTS COMPANY
P. O. Box 8294
Orlando, Florida

VAPORETTE, INC.
2425 S. Central Expressway
Dallas, Texas

VERKAMP CORPORATION, THE
1920 Lonsantville Avenue
Cincinnati 37, Ohio

VESTAL LABORATORIES, INC.
Div. of W. R. Grace & Co.
4963 Manchester
St. Louis 10, Missouri

VIKON CHEMICAL COMPANY
P. O. Box 277
Elon College, North Carolina

VINELAND CHEMICAL SALES CORP.
West Wheat Road
Vineland, New Jersey

VINELAND LABORATORIES, INC.
P. O. Box 70
Vineland, New Jersey

VIRGINIA CHEMICALS & SMELTING
CO.
West Norfolk
Virginia

WALGREEN LABORATORIES, INC.
4399 Peterson Avenue
Chicago, Illinois

WALLACE & TIERNAN, INC.
25 Main Street
Belleville, New Jersey

WALTON-MARCH
P. O. Box 248
Highland Park, Illinois

WATKINS PRODUCTS, INC.
150 Liberty Street
Winona, Minnesota

WEEVIL-CIDE COMPANY, THE
1323 Union Avenue
Kansas City, Missouri

WEST CHEMICAL PRODUCTS, INC.
42-16 West Street
Long Island City, New York

WESTCHESTER VETERINARY
PRODUCTS
Div. of Combe Chems., Inc.
180 Mamaroneck Avenue
White Plains, New York

WESTERN AUTO SUPPLY COMPANY
c/o L. Teweles Seed Company
222 So. 3rd Street
Milwaukee 1, Wisconsin

WESTON PRODUCTS COMPANY
330 W. Salisbury Street
Asheboro, North Carolina

WHITMIRE RESEARCH LABS., INC.
339 S. Vandeventer Avenue
St. Louis 10, Missouri

WHITMOYER LABORATORIES, INC.
19 N. Railroad Street
Myerstown, Pa.

WILSON, INC., ANDREW
Baltusrol Way
Springfield, New Jersey

WILSON EXTERMINATING CO., INC.
405 West End Blvd.
Winston-Salem, North Carolina

WINDSOR WAX CO., INC.
611 Newark Street
Hoboken, New Jersey

WINN CHEMICAL COMPANY, INC.
P. O. Box 612
Anniston, Alabama

WINTER GARDEN ORNAMENTAL
NURSERY, INC.
P. O. Box 428
Winter Garden, Florida

WIRTHMORE FEEDS, INC.
343 Winter Street
Waltham 54, Mass.

WONDER PRODUCTS COMPANY
1409 S. Fulton Street
Salisbury, North Carolina

WOODBURY CHEMICAL COMPANY
P. O. Box 2529
Orlando, Florida

WOODLETS, INC.
2048 Niagara Street
Buffalo 7, New York

WOOD RIDGE CHEMICAL
CORPORATION
P. O. Box 97
Wood Ridge, New Jersey

WOOLFOLK CHEMICAL WORKS, LTD.
East Main Street
Fort Valley, Georgia

WORDEN MANUFACTURING COMPANY
P. O. Box 525
Grand Island, Nebraska

WORRELL-CONSOLIDATED
LABORATORIES, INC.
(Now: Consolidated Chemical, Inc.)
1470 S. Vandeventer Avenue
St. Louis 10, Missouri

WYANDOTTE CHEMICALS
CORPORATION
1609 Biddle Avenue
Wyandotte, Michigan

WYATT-QUARLES SEED COMPANY
327 S. Wilmington Street
Raleigh, North Carolina

WYETH LABORATORIES
Div. of American Home Products Cor-
poration
P. O. Box 8299
Philadelphia 1, Pennsylvania

YALE CHEMICAL COMPANY
P. O. Box 715
Nashville, Tennessee

ZEP MANUFACTURING COMPANY
P. O. Box 2015
Atlanta, Georgia

N. C. Aerial Crop Dusting Law and Regulations

The North Carolina Aerial Crop-Dusting Law, enacted by the General Assembly of 1953, has passed through its eleventh year of enforcement. Its purposes are to protect public health and welfare, to bring improved order in the aerial dusting industry and to eliminate practices which were not in the best interest of the industry or those whom it serves. Marked progress has been made, but there is much yet to be accomplished. The North Carolina Aerial Applicators Association and other members of the industry sponsored the law and cooperate in its enforcement.

The law and the regulations promulgated thereunder, in summary, require the registration and licensing of those who engage in the custom application of pesticides by aircraft in this state. Qualifications for license requires adequate knowledge of the proper use and application of pesticides, the dangers involved and precautions necessary in their application.

Annual renewal of all licenses is required. The validity of any license is further restricted to the period of time that coverage by liability bond or insurance for damage by aircraft is in force. The minimum liability coverage is \$5,000.00 for property damage, \$10,000.00 for personal injury, and \$20,000.00 for any one accident.

Licenses are of two types: Contractors—who contract for the airplane application of pesticides; and Applicators or aviators—those who do the application work. An individual, upon qualification, may procure both licenses. Applicator's licenses, among other things, are contingent on Civil Aeronautics Authority certificates and waiver for low flying.

Licenses may be suspended or revoked if licensees are no longer qualified, for fraudulent, faulty, careless or negligent operations, or for other failure to comply with the requirements of the law. They are automatically nullified upon cancellation or expiration of liability coverage.

The law and regulations are given in the succeeding pages.

N. C. AERIAL CROP-DUSTING LAW

CHAPTER 106, N. C. GENERAL STATUTES.

Article 4B, Aircraft Application of Pesticides

§106-65.13. Definitions. For the purposes of this article.

- (1) The term "aircraft" means any contrivance now known or hereafter invented, used or designed for navigation of, or flight in, the air.
- (2) The term "Board of Agriculture" means the North Carolina Board of Agriculture.
- (3) The term "Commissioner" means the Commissioner of Agriculture.

(4) The term "custom application of pesticides" means any application of pesticides by aircraft.

(5) The term "fungi" means all non-chlorophyll-bearing thallophytes (that is, all non-chlorophyll-bearing plants of a lower order than mosses and liverworts), as, for example, but not limited to, rusts, smuts, mildews, molds, yeasts, and bacteria, except those on or in living man or other animals.

(6) The term "fungicide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating fungi or plant disease.

(7) The term "herbicide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any weed.

(8) The term "insect" means any of the numerous small invertebrate animals generally having the body more or less obviously segmented, for the most part belonging to the class Insecta, comprising six-legged, usually winged forms, as, for example but not limited to, beetles, bugs, bees, and flies, and to other allied classes of arthropods whose members are wingless and usually have more than six legs, as, for example, but not limited to, spiders, mites, ticks, centipedes, and wood lice.

(9) The term "insecticide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any insects which may be present in any environment whatsoever.

(10) The term "person" means any individual, firm, partnership, association, corporation, company, joint stock association, or body politic, or any organized group of persons whether incorporated or not; and includes any trustee, receiver, assignee, or other representative thereof.

(11) The term "pesticide" or "economic poison" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any insects, rodents, fungi, bacteria, weeds, or other forms of plant or animal life or viruses, except viruses on or in living man or other animals, which the commissioner shall declare to be a pest.

(12) The term "weed" means any plant or plant part which grows where not wanted.

§106 65.14. Licenses.

a. It shall be unlawful for any person to engage in custom application of pesticides within the State at any time without a license issued by the Commissioner. Application for a license shall be made to the Commissioner and each application shall contain information regarding the applicant's qualifications and proposed operations and such other relevant matters as may be required pursuant to regulations promulgated by the Board of Agriculture.

b. The Commissioner may require the applicant to show, upon examination, that he possesses adequate knowledge concerning the proper use and application of pesticides, and the dangers involved and precautions to be taken in connection with their application. If the applicant is other than an individual, the applicant shall designate an officer, member, or

technician of the organization to take the examination, such designee to be subjected to the approval of the Commissioner. If the extent of the applicant's operations warrant it, the Commissioner may require more than one officer, member or technician to take the examination.

c. If the Commissioner finds the applicant qualified, the Commissioner shall issue a license, which shall authorize the licensee to perform custom application of pesticides within the State. The license may restrict the applicant to the use of a certain type or types of materials if the Commissioner finds that the applicant is qualified to use only such type or types. If a license is not issued as applied for, the Commissioner shall inform the applicant in writing of the reasons therefor. All licenses issued under this article shall expire on December 31 of each year and may be renewed upon the filing of a new application therefor.

d. The Commissioner may suspend, pending inquiry, for not longer than ten days after opportunity for a hearing, may revoke, or modify the provisions of any license issued under this section, if he finds as a fact that the licensee is no longer qualified or has engaged in fraudulent business practices in the custom application of pesticides, or has made any custom application in a faulty, careless, or negligent manner, or has violated any of the provisions of this article or regulations made thereunder.

e. The Commissioner may require, under such rules and regulations as may be promulgated under this article, from each applicant a liability bond against damage to person or property by aircraft and a reasonable performance bond with sufficient surety satisfactory to the Commissioner, which performance bond is to secure the performance of contractual obligations of the licensee with respect to custom application of pesticides. Any person injured by the breach of any such obligation or any person damaged by such aircraft shall be entitled to sue on the bond in his own name in any court of competent jurisdiction to recover the damages he may have sustained.

f. Any person aggrieved by any action of the Commissioner may within ten days after notice thereof request a review of said action by the Board of Agriculture. If no request for review is so made, the decision of the Commissioner shall be final. If a review is so requested, the Board of Agriculture shall promptly review the action of the Commissioner and either affirm or over-rule his action. If the Board of Agriculture affirms the Commissioner, it shall find the facts of the case and the aggrieved person may within thirty days after notice thereof appeal to the Superior Court of the county in which such person resides or to the Superior Court of Wake County and the matter may be heard in or out of chambers. Notice of the appeal shall be served on the Commissioner and within ten days thereafter the Commissioner shall certify and file in the court to which the appeal is taken a transcript of any record pertaining thereto, including a transcript of evidence received. The court shall have jurisdiction to affirm, set aside or modify the action of the Board of Agriculture, *provided*, that the findings of fact as made by said Board, if supported by evidence, shall be conclusive.

Any license which has been suspended or revoked by the Commissioner or Board of Agriculture shall remain suspended or revoked until the laws, and regulations of the Board of Agriculture, have been complied with or until the decision or action of said Commissioner or Board has been set aside by court action.

§106-65.15. Regulations, materials and methods of application.—The Board of Agriculture, after public hearing, may adopt regulations prohibiting the use of materials or methods in custom application of pesticides to the extent necessary to protect health or property and may make such other regulations as it may deem necessary to carry out the provisions of this article. *Provided, however,* such regulations shall not be inconsistent with the regulations issued by this State or by the Federal Government respecting safety in air navigation or operation of aircraft and before issuing any regulations directly related to any matter within the jurisdiction of any other official of this State, the Commissioner shall consult with that official with reference thereto.

§106-65.16 Reports.—The Board of Agriculture may by regulation require any licensee to maintain records and furnish reports giving information with respect to particular applications of pesticides and such other relevant information as the Board of Agriculture may deem necessary.

§106-65.17. Information.—The Commissioner may, in cooperation with the North Carolina Agricultural Experimental Station, publish information regarding injury which may result from improper application or handling of pesticides and the methods and precautions designed to prevent such injury.

§106-65.18. Penalties.—Any person violating the provisions of this article or the regulations issued hereunder shall be guilty of a misdemeanor and upon conviction shall be fined or imprisoned or both in the discretion of the court

§106-65.19. Enforcement.—For the purpose of carrying out the provisions of this article the Commissioner may enter upon any public or private premises at reasonable times in order to have access for the purpose of inspecting any aircraft or materials subject to this article.

§106-65.20. Delegation of Duties.—The functions vested in the Commissioner by this article may be delegated by him to such employees of the Department of Agriculture or other qualified persons as the Commissioner may from time to time designate for such purposes.

§106-65.21. Cooperation.—The Commissioner may cooperate with any other agency of this State or its sub-divisions or with any agency of any other State or of the Federal Government for the purpose of carrying out the provisions of this article and of securing uniformity of regulations.

RULES, REGULATIONS, DEFINITIONS AND STANDARDS

CHAPTER XII

Application of Pesticides By Aircraft

ARTICLE 1. APPLICATION OF PESTICIDES BY AIRCRAFT

§12-1. Application for license.—Application for a license to engage in the custom application of pesticides by aircraft shall be made to the Commissioner of Agriculture upon forms prescribed for that purpose and furnished by the Department of Agriculture.

§12-2. Classes of licenses.—There shall be two classes of licenses which shall authorize the holders thereof to engage in the custom application of pesticides to the extent authorized by the license and the rules and regulations of the State Board of Agriculture. The classes of licenses shall be as follows:

(a) Contractor's License. A contractor's license shall authorize the holder thereof to contract for the aerial application of pesticides.

(b) Airplane Applicator's License. An airplane applicator's license shall entitle the holder thereof to apply pesticides as contracted for by the holder of an operator's license.

§12-3. Examination for license.—Before any license is issued, the Commissioner may require the applicant to undergo such examination and to submit such other information as the Commissioner in his discretion may deem necessary for a proper determination of the applicant's qualifications.

§12-4 Modification, revocation or suspension of license.—All licenses are subject to modification as to terms and privileges and may be revoked or suspended by the Commissioner of Agriculture according to the provisions of G.S 106-65.14. Licenses may be issued for periods of less than one year but all licenses shall expire on December 31 of each year and may be renewed upon the filing of a new application therefor.

§12-5. Display of license.—All holders of contractor's or airplane applicator's licenses shall keep their licenses conspicuously posted at their place of business or about their person when engaged in the application of pesticides by aircraft and shall show their license upon request. Upon satisfactory proof of the loss or destruction of a license, a duplicate thereof may be issued to the qualified holder.

§12-6. Liability bond.—No airplane applicator's license shall be issued unless the applicant submits to the Commissioner of Agriculture along with the application for license a liability insurance policy covering said applicant and the person or persons for whom the custom application of pesticides is to be made against liability for damage to all persons or property caused by said aircraft. Said liability insurance policy shall cover at least \$5,000.00 for property damage, \$10,000.00 for personal injury, and

\$20,000.00 for any one accident; and shall be required to be in force for the duration of the applicant's license: Provided, however, it is not the intent of this regulation for any liability insurance policy to cover damages resulting from the application of pesticides, but only for damages caused by aircraft.

§12-7. Report and records.—Each contractor shall maintain daily reports and records on forms satisfactory to the Commissioner and all such reports and records shall be kept open and available for inspection by any authorized representative of the Department of Agriculture. Each contractor shall also submit to the Commissioner of Agriculture on or before December 31 of each year an annual report on forms furnished by the Commissioner, covering in detail the contractor's activities for the period covered by the report.

§12-8. Responsibility of contractors and applicators.—All contractors and applicators shall be responsible for the proper use and maintenance of equipment and for the proper use and application of pesticides; and shall at all times use due care for the protection of surrounding property, crops, fish ponds, plants and livestock. Any contractor or applicator who violates or disregards the provisions of this regulation or who makes any custom application in faulty, careless, or negligent manner shall have his license suspended or revoked according to the provisions of G.S. 106-65.14.

(Adopted: June 22, 1953)

(Authority: G. S. 106-65.15)

Licensees Under N. C. Aerial Crop-Dusting Law for 1964

This list gives the names of firms or individuals who registered with the North Carolina Department of Agriculture and were issued licenses as Contractors, Applicators, or both, for the year 1964. Each type of license is indicated in connection with the respective name of individual or firm as given in the list.

All licenses expire December 31, 1964, or earlier according to expiration of insurance coverage and are subject to renewal for operations in 1965.

MARVIN ANGE
Route 1, Box 112
Plymouth, North Carolina
Contractor

ASPLUNDH TREE EXPERT COMPANY
505 York Road
Jenkintown, Pennsylvania
Contractor

GEORGE WINSTON AUSTIN
P. O. Box 191
Clinton, North Carolina
Applicator

ROBERT FREDERICK AVERY
Route 3
Dunn, North Carolina
Applicator and Contractor

W. H. BAGGETT
General Delivery
Scotland Neck, North Carolina
603 S. 22nd Street
Ft. Pierce, Florida
Applicator and Contractor

DWAYNE S. BAILEY
P. O. Box 7261
Shreveport, Louisiana
Applicator

MILTON R. BARNES
305 N. Martin
Elizabeth City, North Carolina
Applicator and Contractor

LLOYD H. BARNWELL
Kittrell Livestock
Corapeake, North Carolina
c/o M. E. Rogers Whse.
Suffolk, Virginia
826 N. Daughtry Street
Douglas, Georgia
Applicator and Contractor

ROBERT F. BEAN
Ebbtide Motel
Beaufort, North Carolina
793 E. Broadway
Hawthorne, California
Applicator

FRAZIER MACK BRAME
Route 5, Box 96
Reidsville, North Carolina
Applicator and Contractor

DONALD GRAHAM BROADWELL
120 Cox Avenue
Raleigh, North Carolina
Applicator

ROBERT SAMUEL BRYAN
912 Monmouth Avenue
Durham, North Carolina
Applicator

J. H. BYNUM, JR.
Farmville, North Carolina
Applicator

MARTIN D. BYRD
Route 3
Dunn, North Carolina
Applicator

CAMPBELL AIR SERVICE, INC.
P. O. Box 7261
Shreveport, Louisiana
Contractor

HALBERT EUGENE CAMPBELL
Route 1, Box 315
Clinton, North Carolina
4228 Forest View Drive
Fayetteville, North Carolina
Applicator

JOHN V. CAMPBELL
1320 Glen
Shreveport, Louisiana
Applicator

CLINTON FLYING SERVICE
P. O. Box 191
Clinton, North Carolina
Contractor

BENJAMIN F. COLLINS
4336 S. Tryon Street
P. O. Box 3466
Charlotte, North Carolina
505 York Road
Jenkintown, Pennsylvania
Applicator

COLONIAL HELICOPTERS INC.
1732 Dennys Road
Norfolk, Virginia
Contractor

WATSON H. COMPTON
Route 2
Ringgold, Virginia
Contractor

VIRGIL T. CONLIN
Box 172
Farmville, North Carolina
Route 2, Box 16
Highland, New York
Applicator

CRAFT SPRAYING INC.
P. O. Box 172
Farmville, North Carolina
Contractor

WILLIAM JOSEPH CREWS
P. O. Box 5
Thomasville, North Carolina
Applicator

THEODORE BUNYAN DAVIS, III
2039 Azalea Drive
Goldsboro, North Carolina
Applicator

JAMES L. DeHAVEN
P. O. Box 488
Ahoskie, North Carolina
1115 Mewborn Avenue
Kinston, North Carolina
Applicator

ROBERT D. DILLON, JR.
P. O. Box 488
Ahoskie, North Carolina
600 Boatner Street
Gueydan, Louisiana
Applicator

RICHARD L. DOWNS
550 W. Nevada
Vivian, Louisiana
Applicator

BERNARD E. EACHO, JR.
Route 2
Ringgold, Virginia
Box 363-B Cedar Fork Road
Richmond, Virginia
Applicator

IRA CRAIG ELROD
1900 Providence Road
Charlotte, North Carolina
Applicator

MACK G. EURE
General Delivery
Seaboard, North Carolina
1701 Weber Avenue
Orlando, Florida
Applicator

GEORGE A. EWELL
P. O. Box 101
Washington, North Carolina
Applicator

JAMES JUNIUS FAIRCLOTH
Box 101
Washington, North Carolina
Route 2, Box 132
Elizabethtown, North Carolina
Applicator

ROGER WILSON FLARTEY
P. O. Box 191
Clinton, North Carolina
41 Bassett Avenue
Dover, New Jersey
Applicator

LYLE FRANCIS FLICK
Ebbtide Motel
Beaufort, North Carolina
620 Woodworth
Missoula, Montana
Applicator

SIDNEY E. GIBBS
Route 2
King, North Carolina
Applicator

GREENVILLE AVIATION, INC.
P. O. Box 231
Washington, North Carolina
Contractor

WALTER RAY GRIFFIN
Route 1
Summerfield, North Carolina
Applicator and Contractor

SHERMAN W. HANKE
Box 422
Clio, South Carolina
Box 29
Summerfield, Florida
Applicator and Contractor

JIMMY R. HAYNES
523 W. Nevada
Vivian, Louisiana
Applicator

HELICOPTER SERVICES, INC.
1608 Spring Garden Street
Greensboro, North Carolina
Contractor

JAMES M. HERN
Ebbtide Motel
Beaufort, North Carolina
Route 9, Box 237
Memphis, Tennessee
Applicator

JIM HERN
P. O. Box 231
Washington, North Carolina
West Memphis, Arkansas
Applicator

GENE HICKMAN
Route 1, Box 669
Bladenboro, North Carolina
Applicator

EUGENE G. HICKS
818 Round Bay Road
Norfolk, Virginia
Applicator

WALTER ED. HIGHT, JR.
543 Rowland Street
Henderson, North Carolina
Applicator

HOLLEY DUSTING SERVICE, INC.
P. O. Box 945
Homestead, Florida
Contractor

JERNIGAN SPRAY SERVICE, INC.
P. O. Box 488
Ahoskie, North Carolina
Contractor

ERNEST A. JONES
c/o Craft Spraying Inc.
P. O. Box 172
Farmville, North Carolina
313 Bratton
Dyersburg, Tennessee
Applicator

PERRY WALTER JONES
325 Spring Street
Hendersonville, North Carolina
Applicator

J. T. KEECH
Route 1
Pantego, North Carolina
Contractor

KING FLYING SERVICE, INC.
Route 2
King, North Carolina
Contractor

EDMUND R. KIRKLAND
Box 56
Dublin, North Carolina
Applicator

CLAIR KLINGER
c/o Dillard Powell
Ruffin, North Carolina
Box 214
Groveland, Florida
Applicator

CLARENCE ROBERT LAY
P. O. Box 741
Washington, North Carolina
Applicator

BERNARD DIX LITTLEPAGE
c/o Stancil Flying Service
Box 101
Washington, North Carolina
103 Cynthia Drive
Hampton, Virginia
Applicator

JACK LOWERS
Route 3
Clinton, North Carolina
Applicator and Contractor

ERNEST H. MARSHALL
1805 Brevard Road
P. O. Box 51
Hendersonville, North Carolina
28201 S.W. 195 Avenue
Route 1
Homestead, Florida
Applicator

GEORGE B. MARSHALL
Route 1
School House Road
Horse Shoe, North Carolina
Applicator

ROBERT ELWOOD MEYER
P. O. Box 115
King, North Carolina
1821 E. Main Street
Pahokee, Florida
Applicator

ROBERT H. MITCHELL
421 So. Pecan
Vivian, Louisiana
Applicator

CLARENCE T. MODLIN
Scotland Flying Service, Inc.
205 Wilson Street
Laurinburg, North Carolina
Applicator and Contractor

BRIAN LEE MOLINE
Lewiston, Michigan
Applicator

W. V. MORGAN
Ebbtide Motel
Beaufort, North Carolina
P. O. Box 1524
Medford, Oregon
Applicator

WALTER C. MYERS
635 Oak Grove Drive
Graham, North Carolina
Applicator and Contractor

JAMES A. NAYLOR
P. O. Box 191
Clinton, North Carolina
Applicator

ROBERT A. NAYLOR
P. O. Box 191
Clinton, North Carolina
Applicator

HARRY W. NELSON
Route 1
Dover, North Carolina
P. O. Box 883
Ft. Pierce, Florida
Applicator and Contractor

DELMAR C. OWENS
P. O. Box 183
Columbia, North Carolina
Applicator and Contractor

GROVER THOMAS PARKS
Route 1
Climax, North Carolina
Applicator and Contractor

DAVID PATTERSON
Box 172
Farmville, North Carolina
Box 61
Fort Valley, Georgia
Applicator

DILLARD M. POWELL
Powell Flying Service
Ruffin, North Carolina
Contractor

F. M. POWELL
1705 Powatan Street
Fayetteville, North Carolina
Applicator and Contractor

GENE A. POWERS
Ebbtide Motel
Beaufort, North Carolina
502 Haven Street
Medford, Oregon
Applicator

JAMES C. PRICE
Dillon Airport
Dillon, South Carolina
Applicator and Contractor

THOMAS PROCTOR
King, North Carolina
Applicator

JOHN C. PULLEY
543 Rowland Street
Henderson, North Carolina
Douglas, Louisiana
Applicator

VICTOR R. RICHARDS
P. O. Box 488
Ahoskie, North Carolina
Applicator

CLAUDE MITCHELL RIDDLE
Dobson, North Carolina
Applicator

ROCKY MOUNT AERIAL APPLICATORS,
INC.
1320 Horne Street
Rocky Mount, North Carolina
Contractor

M. M. RODDY
430 Craig Street
Rocky Mount, North Carolina
Applicator

ROSENBALM AVIATION INC.

P. O. Box 1524
Medford, Oregon
Contractor

W. E. ROSENBALM

Ebbtide Motel
Beaufort, North Carolina
P. O. Box 1524
Medford, Oregon
Applicator

W. B. ROWE

314 W. James
Vivian, Louisiana
Applicator

NATHAN M. SIMPSON

Simpson Crop Service, Inc.
Route 2
Elon College, North Carolina
Applicator and Contractor

CHARLES ALTON SPILLMAN, JR.

Route 2
Trinity, North Carolina
Applicator and Contractor

STANCIL FLYING SERVICE

P. O. Box 101
Washington, North Carolina
Contractor

HERBERT A. STOKELY

8710-B Atlantic Avenue
Virginia Beach, Virginia
Applicator

JAMES M. SWINT, JR.

Box 21
Douglassville, Texas
Applicator

AYLOR T. TALBOTT

Aylor's Crop Spraying Service
Halifax Road
South Boston, Virginia
Applicator and Contractor

TAYLOR-WILKES HELICOPTER SERVICE

Box 518
Elizabethtown, North Carolina
Contractor

ROBERT S. TINSLEY

Route 2
King, North Carolina
2424 Memphis Street
Lynchburg, Virginia
Applicator

TRI-STATE DUSTING COMPANY, INC.

P. O. Box 51
Hendersonville, North Carolina
P. O. Box 1271
Homestead, Florida
Contractor

B. W. TRUEBLOOD

206 Southern Blvd.
Rocky Mount, North Carolina
Applicator

ROBERT J. TURNER, JR.

Turner's Flying Service
543 Rowland Street
Henderson, North Carolina
Applicator and Contractor

ALBERT R. VAUGHAN

Al's Crop Spraying Service
Route 3
Virgilina, Virginia
Applicator and Contractor

GEORGE D. WALTERS

P. O. Box 84
Elizabeth City, North Carolina
Applicator and Contractor

H. C. WARF

Warf's Flying Service
Route 6
Reidsville, North Carolina
Applicator and Contractor

A. J. WARREN

207 North Thompson Street
Whiteville, North Carolina
Applicator and Contractor

RICHARD WATKINS

3908 Tremont Drive
Durham, North Carolina
Applicator

HARVEY R. WEAVER

Weaver Spraying Service
1805 Brentwood Street
High Point, North Carolina
Applicator and Contractor

RAYMOND M. WESSELLS

P. O. Box 488
Ahoskie, North Carolina
RFD 2
Preston, Maryland
Applicator

WILLIAM E. WHITEHURST

205 N. Pitt Street
Ayden, North Carolina
Applicator and Contractor

FRED L. WHITFIELD

Fred's Spray Service
602 Graham Hopedale Road
Burlington, North Carolina
Applicator and Contractor

ROBERT O. WHITFIELD

Whitfield Airplane Spraying
Route 2
Hurdle Mills, North Carolina
Applicator and Contractor

JOHN H. WHITTINGTON

Charlotte, North Carolina
Applicator

DAN LOUIS WILLIAMS

Route 2
King, North Carolina
3207 Immanuel Road
Greensboro, North Carolina
Applicator

DANIEL W. WILLIAMS

707 Nellane Drive
Garner, North Carolina
Applicator

J. B. WILLIAMS, JR.

1320 Horne Street
Rocky Mount, North Carolina
Applicator

ROY W. WOOD

Rae ford, North Carolina
Applicator

Chemical and Common Names of Economic Poisons

ALDRIN:

Hexachlorohexahydro-endo, exo-dimethanonaphthalene

ALLETHRIN:

dl-2-allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one ester of dl-cistrans-chrysanthemum monocarboxylic acid

ANTU:

Alpha naphthyl thiourea

ARAMITE:

2(p-tert-butylphenoxy) isopropyl-2-chloroethyl sulfite; Beta-chloroethyl Beta-(p-tertiary-butylphenoxy)-a-methyl ethyl sulfite

ARSENIC TRIOXIDE:

Arsenious oxide

ATRAZINE:

2-chloro-isopropylamino-6-ethylamino-s-triazine

BAYTEX; BAYER 29493:

O, O-Dimethyl O-(4-methylthio-m-tolyl) phosphorothioate

BHC:

Benzene hexachloride; 1,2,3,4,5,6-Hexachlorocyclohexane

BIDRIN:

3-(dimethoxyphosphinyloxy)-N,N-dimethyl-cis-crotonamide

BITOXIN:

Dimethyl phosphate of 3-hydroxy N,N-dimethyl-cis-crotonamide

BORAX:

Sodium tetraborate decahydrate

BORIC ACID:

Boric acid; orthoboric acid

CALCIUM ARSENATE:

Tricalcium arsenate

CALCIUM CYANIDE:

Calcium cyanide

CAPTAN:

N-trichloromethylmercapto-4-cyclohexene-1,2-dicarboximide; N-trichloromethylthio tetrahydrophthalimide

CHLORANIL; SPERGON:

2,3,5,6-Tetrachloro-1,4-benzoquinone

CHLORDANE:

1,2,4,5,6,7,8,8 Octachloro-4,7-methano-3a,4,7,7a-tetrahydroindane

CHLORTHION:

O, O-dimethyl-O-3-chloro-4-nitrophenyl thiophosphate

CIODRIN:

Alpha-methylbenzyl 3-(dimethoxyphosphinyloxy) cis-crotonate

COPPER ARSENATE (BASIC):

Cupric arsenate (Basic)

CO-RAL:

O, O-Diethyl O-(3 chloro-4-methyl-7-coumarinyl phosphorothioate)

2,4-D:

2,4-Dichlorophenoxyacetic acid

DDD; TDE; RHOTHANE:

Dichloro diphenyl dichloroethane; 2,2 bis-(p-chlorophenyl)-1,1-dichloroethane

DDT:

Dichloro diphenyl trichloroethane; trichloro bis-(4-chlorophenyl)ethane

DDVP:

O,O-Dimethyl-2,2-dichloro vinyl phosphate

DELNAV:

2,3-p-dioxane S,S-bis-(O,O-diethyl phosphorodithioate)

DELPHENE:

N,N-diethyl-m-toluamide; Diethyltoluamide

DEMETON:

Beta-ethylmercapto-ethyl diethyl thionophosphate

DIAZINON:

O,O-diethyl-O-2-isopropyl-4-methyl-6-pyrimidyl thiophosphate

DIBROM:

O,O-dimethyl-O-(1,2 dibromo-2,2 dichloroethyl) phosphate

DICHLONE-PHYGON:

2,3-Dichloro-1,4-naphthoquinone

DIELDRIN:

Hexachloroepoxyoctahydro-endo,exo-dimethanonaphthalene

DIMETILAN:

A mixture of 2-dimethylcarbonyl-3-methylproazolyl-5(5)-dimethylcarbamate and methyl-pyrazolyl-(5)-dimethylcarbamate

DIMITE:

1,1-Bis (p-chlorophenyl)-ethanol

DINITRO ORTHO CRESOL:

4,6-Dinitro-o-cresol; 2-methyl-4,6-dinitro-phenol

DIPTEREX:

O,O-Dimethyl-1-hydroxy-2,2,2-trichloroethyl phosphonate; Dimethyl-trichloro-hydroxyethylphosphate

DISODIUM METHYL ARSONATE:

Disodium methane arsonate hexahydrate

DISYSTON:

O,O-Diethyl S-2-(ethylthio) ethyl phosphoro dithioate

ENDRIN:

Hexachloroepoxyoctahydro-endo,endo-dimethanonaphthalene

ETHYL GUTHION:

O,O-Diethyl S-4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl phosphorodithioate

FERBAM:

Ferric dimethyldithiocarbamate

FUMARIN:

3-(1-Furyl-2-acetyl-ethyl) 4-hydroxycoumarin

GLYODIN:

2-Heptadecyl-2-imidazoline

GUTHION:

O,O-Dimethyl S-(4-oxo-1,2,3-benzotriazinyl-3-methyl) phosphorodithioate

HEPTACHLOR:

1,4,5,6,7,8,8a-Heptachloro-3a,4,7,7a-tetrahydro-4,7-endo-methanoindane

HEXACHLOROPHENE:

2,2'-Methylene-bis (3,4,6-trichlorophenol)

KARATHANE; CAPRYL:

4,6-Dinitro-2-caprylphenyl crotonate; 2-(1-methyl heptyl)-4,6-dinitrophenyl crotonate

KELTHANE:

1,1-bis (p-chlorophenyl)-2,2,2-trichloroethanol; Bis (p-chlorophenyl) trichloroethanol

KEPONE:

Decachlorooctahydro-1,3,4-methano-2H-cyclobuta (cd) pentalen-2-one

KORLAN; RONNEL:

Dimethyl trichlorophenyl thiophosphate; O,o-Dimethyl O-2,4,5-trichlorophenyl phosphorothioate

LETHANE A-70:

Beta Beta dithiocyano diethyl ether

LETHANE 60:

Beta-thiocyanoethyl esters of C₁₀-C₁₈ aliphatic fatty acids

LETHANE 384:

Beta-Butoxy-Beta-thiocyano-diethyl ether

MALATHION:

O,O-Dimethyl dithiophosphate of diethyl mercaptosuccinate; S-(1,2-dicarbethoxyethyl) O,O-dimethyl dithiophosphate

MANEB:

Manganese ethylenebisdithiocarbamate

METALDEHYDE:

Metaldehyde; metacetaldehyde

METHOXYCHLOR:

2,2-bis (p-methoxyphenyl)-1,1,1-trichloroethane

METHYL PARATHION:

O,O-Dimethyl-o-p-nitrophenyl thiophosphate

METHYL TRITHION:

O,O-Dimethyl S-(p-chlorophenylthio) methyl phosphorodithioate

MONURON:

3-(p-chlorophenyl)-1,1-dimethylurea

MYLONE:

3,5-Dimethyltetrahydro-1,3,5,2H-thiadiazine-2-thione

NEBURON:

1-n-Butyl-3-(3,4-dichlorophenyl)-1-methylurea

NEMAGON:

1,2-Dibromo-3-chloropropane

NICOTINE:

1-Methyl-2-(3-Pyridyl) pyrrolidine

OVEX; OVOTRAN:

p-Chlorophenyl p-chlorobenzenesulfonate

PARADICHLOROBENZENE:

1,4-Dichlorobenzene

PARATHION:

O,O-Diethyl-o-paranitrophenyl thiophosphate

PARIS GREEN:

Copper acetoarsenite

PERTHANE:

1,1-Dichloro-2,2-bis-(p-ethylphenyl) ethane

PHALTAN; FOLPET:

N-(trichloromethylthio) phthalimide

PHENOL:

Carbolic Acid

PHOSDRIN:

Alpha isomer of 2-carbomethoxy-1-methylvinyl dimethyl phosphate

PIPERONYL BUTOXIDE:

Butylcarbityl-6-(propyl piperonyl) ether

PIPERONYL CYCLONENE:

3,Isoamyl-5-(methylenedioxyphenyl)-2-cyclo-hexenone

PIVAL:

2-Pivalyl-1,3-indandione

PIVALYN:

Sodium salt of 2-Pivalyl-1,3-indandione

POTASSIUM CYANATE:

Potassium cyanate

PYRETHRUM:

Chrysanthemum cineroreaeefolium

ROTENONE:

Rotenone

SABADILLA:

Schoenocaulon officinale

SEVIN; CARBARYL:

1-Naphthyl-N-methyl-carbamate

SHOXIN:

Mixture of stereoisomers of 5-(alpha-hydroxy-alpha-2-pyridylbenzyl)-7-(alpha-2-pyridylbenzylidene)-5-norbornene-2,3-dicarboximide

SILVEX:

2-(2,4,5-Trichlorophenoxy)propionic acid

SODIUM ARSENATE:

Sodium meta-arsenate

SODIUM ARSENITE:

Sodium meta-arsenite

SODIUM FLUORIDE:

Sodium fluoride

SODIUM FLUOSILICATE:

Sodium fluosilicate; sodium silicofluoride

STRYCHNINE:

Strychnine

STROBANE:

Mixture of heptachlorocamphene, heptachloropinene and other chlorinated terpenes

SULFUR:

Sulfur

2,4,5-T:

2,4,5-Trichlorophenoxyacetic acid

TEDION:

2,4,5,4'-Tetrachlorodiphenyl sulphone

TERRACHLOR:

Pentachloronitrobenzene

THALLIUM SULFATE:

Thallous sulfate

THANITE:

Isobornyl thiocyanate

THIODAN:

6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexa-hydro-6,9-methano-2,4,3-benzodioxathiepin-3-oxide

THIRAM:

Tetramethylthiuram disulfide

TOXAPHENE:

Octachlorocamphene

TRITHION:

O,O-Diethyl S-p-chlorophenylthiomethyl phosphorodithioate

VAPAM:

Sodium N-methyl dithiocarbamate dihydrate

VAPONA:

2,2 Dichlorovinyl dimethyl phosphate

VERNAM:

n-propyl-di-n-propylthiocarbamate

WARFARIN:3-(α -Acetonylbenzyl)-4-hydroxycoumarin**ZINEB:**

Zinc etheylenebisdithiocarbamate

ZIRAM:

Zinc dimethyldithiocarbamate

Official Analyses of Economic Poisons 1964

Summary of Economic Poisons Examined — 1964

TYPES	SAMPLES				
	Passed	Deficient	Excessive Active Ingredient	Misbranded	Not Registered
Arsenicals					
Arsenic.....	.....	.....	.....	.....	1
Arsenic Trioxide.....	7	1	1	.....	.....
Calcium Arsenate preparations.....	3	.....	.....	.....	.....
Lead Arsenate preparations.....	11	.....	1	.....	.....
Sodium Arsenate.....	11	1	1	.....	.....
Tricalcium Arsenate preparations.....	3	.....	.....	.....	.....
Organic Chlorine Compounds					
Aldrin.....	17	3	.....	.....	.....
BHC preparations.....	47	10	2	2	4
Captan preparations.....	16	2	.....	.....	1
Chlordane preparations.....	52	5	1	1	2
2,4-D; 2,4,5-T preparations.....	8	1	.....	.....	.....
DDD preparations.....	122	10	4	.....	.....
DDT preparations.....	225	33	.....	1	3
DDVP preparations.....	15	4	1	.....	1
Dibrom.....	1	1	.....	.....	.....
Dieldrin preparations.....	18	.....	2	.....	.....
Endrin.....	9	.....	.....	.....	.....
Heptachlor.....	3	.....	.....	.....	.....
Methoxychlor.....	19	3	.....	.....	3
Methyl Trithion.....	1	.....	.....	.....	.....
Nemagon.....	2	.....	.....	.....	.....
Paradichlorobenzene.....	2	.....	.....	.....	1
Pentachloronitrobenzene.....	1	.....	.....	.....	.....
Pentachlorophenol preparations.....	4	.....	.....	.....	.....
Perthane preparations.....	7	.....	.....	.....	.....
Phaltan.....	1	.....	.....	.....	.....
Ronnel preparations.....	3	.....	1	1	.....
Strobane preparations.....	7	.....	.....	.....	.....
Thiodan.....	2	.....	.....	.....	.....
Thiram preparations.....	5	.....	.....	.....	.....
Toxaphene preparations.....	139	14	.....	.....	1
Trithion.....	4	.....	.....	.....	.....
Metallic Compounds					
Bidrin.....	1	.....	.....	.....	.....
Clodrin.....	1	.....	.....	.....	.....
Copper preparations.....	14	6	.....	.....	2
Delnav.....	1	.....	.....	.....	.....
Diazinon preparations.....	12	.....	.....	.....	1
Dipterex.....	.....	1	.....	.....	.....
Disyston.....	1	.....	.....	.....	.....
Ferbam.....	13	3	.....	.....	.....
Guthion preparations.....	1	.....	.....	.....	.....
Malathion preparations.....	45	32	.....	.....	2
Maneb.....	7	5	.....	.....	.....
Methyl Parathion.....	1	2	.....	.....	.....
Parathion preparations.....	6	2	.....	.....	.....
Phosdrin.....	1	2	.....	.....	.....
Phosphorus.....	5	.....	.....	.....	.....
Sulfur.....	1	.....	.....	.....	.....
Thallium Sulfate.....	13	1	.....	.....	2
Zinc Phosphide.....	.....	.....	2	.....	.....
Zineb preparations.....	5	2	1	.....	.....
Botanicals					
Nicotine.....	4	.....	.....	.....	.....
Pyrethrin preparations.....	29	1	.....	2	4
Rotenone preparations.....	46	2	.....	.....	2
Sabadilla preparations.....	8	1	.....	.....	.....
Miscellaneous					
Boric Acid.....	5	.....	.....	.....	.....
Calcium Cyanide.....	.....	1	.....	.....	.....
Cresylic Acid.....	1	.....	.....	.....	.....
1,3-Dichloropropene; 1,2-Dichloropropane and related chlorinated hydrocarbons.....	1	.....	.....	.....	.....
N,N-dimethyl meta-toluidide; N-octyl bicycloheptene dicarboximide; Di-N-propyl isocinchomerate.....	1	.....	.....	.....	.....

Summary of Economic Poisons Examined — 1964—Continued

TYPES	SAMPLES				
	Passed	Deficient	Excessive Active Ingredient	Mis-branded	Not Registered
Dimetilan.....	2	....	....	....	....
Dinitro Ortho Cresol.....	1	....	....	....	....
Alkanolamine salts (of the ethanol and isopropanol series) of dintro-o-sec-butylphenol.....	1	....	....	....	....
Fluorine preparations.....	14	4	....	....	....
Fumarin.....	7	....	....	....	2
Lethane 60.....	....	....	1	....	....
Phenol preparations.....	....	1	1	....	....
Pival.....	9	....	....	....	1
Pivalyn.....	2	....	....	....	....
Sevin preparations.....	108	13	3	....	....
Shoxin.....	1	....	....	....	....
Strychnine.....	2	....	....	....	....
Vernam.....	1	....	....	....	....
Warfarin.....	24	....	....	....	1
Zinc dimethyl dithio carbamate cyclohexylamine complex.....	1	....	....	....	....
TOTALS.....	1161	167	22	7	33

Number manufacturers registered (total).....	428
Number manufacturers registered from North Carolina.....	63
Number of items registered.....	4,397
Number stop sale orders issued.....	303
Number of items stopped from sale because of failure to register.....	87

Decisions

The results of analyses of economic poisons are tabulated in the following pages. For the reader's ready interpretation of the analyses, designations used are explained in the following paragraphs.

"Passed" signifies that the labeling and composition of the product satisfactorily complied with guarantees and requirements. Small deviations in analyses are normal.

"Deficient" usually signifies that one or more ingredients fell significantly below guarantee, although it may also indicate an excess of a harmful ingredient, as in case of water-soluble arsenic. Such products, in most instances, qualify as unsatisfactory and are subject to "Stop Sale Order" and removal from the market for reprocessing or relabeling. In borderline cases, where exact values are indeterminate, the product is qualified as deficient but the manufacturer cautioned. In some instances where such goods have been used before analysis could be completed, the manufacturer has made settlement satisfactory to the user.

"Adulterated" indicates that significant quantities of undeclared active ingredients were present. Since proof of adulteration disqualifies a product, analysis may be discontinued at that point thus saving further expenditure of time and work. Such lots, batches or brands are stopped from sale and other appropriate action taken.

"Misbranded" signifies that labeling failed to conform to requirements. Omission of some item or statement is a more common flaw. Among these may be proper ingredient listing, skull and crossbones, "Poison" in red and an antidote where these are required; net contents by weight or volume; class of, and unsulfonated residues of petroleum oils; and percentages of alkaloids instead of crude product such as sabadilla seed.

In some instances of misbranding the defect appeared to be inadvertent or of a minor nature. It appeared permissible and fair to allow the manufacturer time for correction. In others, removal from sale was necessary.

"Not Registered" signifies that the product was not registered at the time it was sampled. Prompt registration is required or the product is removed from sale.

As has been the practice in past work, analyses were made largely for those ingredients which were considered of major importance, as, for example, gamma isomer of benzene hexachloride, whereas other isomers were not checked. For sake of brevity, items not generally checked are not listed in the tabulations. This should not be taken to indicate that manufacturers did not include them on labels. This procedure has been followed because it enables a broader coverage of all products offered for sale.

Official Analyses of Economic Poisons, 1964

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions *
ALDRIN			
Armour Agricultural Chemical Co.			
Armagard 10% Aldrin Dust			
Aldrin.....	10.00	10.43	Passed
Armagard Aldrin Emulsion Concentrate			
Aldrin.....	24.50	24.12	Passed
California Chemical Company-Ortho Div.			
Ortho Aldrin 10 Granular			
Aldrin.....	10.00	9.57	Passed
Cape Fear Chemicals, Inc.			
Tiger Brand Aldrin Emulsion			
Aldrin.....	24.50	25.04	Passed
Coastal Chemical Corp.			
Coastal Aldrin Emulsifiable Concentrate			
Aldrin.....	24.32	19.53	Deficient
Daly-Herring Co.			
Dee Aitch 10% Aldrin Granular			
Aldrin.....	10.00	9.00	Deficient
Dee Aitch Aldrin Emulsifiable Concentrate			
Aldrin.....	24.50	24.69	Passed
do.....	24.50	25.37	Passed
Farmers Cooperative Exchange, Inc.			
FCX 10% Aldrin Granular			
Aldrin.....	10.00	10.49	Passed
FCX Aldrin Emulsifiable Concentrate			
Aldrin.....	23.32	22.60	Passed
Niagara Chemical Div. Food Machinery and Chemical Corp.			
Niagara Aldrin Miscible			
Aldrin.....	24.00	24.28	Passed

*See preceding page for explanations of "Decisions."

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Olin Mathieson Chemical Corp.			
Mathieson Aldrin 4 lb. Emulsifiable			
Aldrin.....	42.74	40.93	Passed
do.....	42.74	39.11	Deficient
Pearson and Co.			
Pearson's Seed-Saver			
Aldrin.....	20.42	21.14	Passed
do.....	20.42	21.29	Passed
W. R. Peele Company, Inc.			
Pelco 10% Aldrin Granulated			
Aldrin.....	10.00	10.47	Passed
Planters Chemical Corp.			
Planters Aldrin Emulsion Concentrate			
Aldrin.....	24.50	23.67	Passed
Planters 4 lb. Aldrin Emulsion Concentrate			
Aldrin.....	44.00	42.53	Passed
do.....	44.00	43.08	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 5% Aldrin Granules			
Aldrin.....	5.00	5.96	Passed
ARSENICALS			
ARSENIC			
H. E. Seibert			
Seibert Poison Fly Paper			
Arsenic as metallic.....	2.00	1.95	Not Registered
ARSENIC TRIOXIDE			
Carajon Chemical Company, Inc.			
Force's Mole Killer			
Arsenic trioxide.....	5.00	5.54	Passed
Carter's Drugs and Seeds			
Shuco Rat Poison			
Arsenic trioxide.....	2.00	3.00	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
S. L. Cowley and Sons Manufacturing Company, Inc.			
Cowley's Rat and Mouse Poison			
Arsenic trioxide.....	1.75	2.70	Excessive Active Ingredient Passed
do.....	1.75	2.08	
F. B. Singletary, Jr. and Co.			
Singletary's Single Treatment Pest Control			
Arsenic trioxide.....	3.50	2.09	Deficient Passed
do.....	3.50	4.48	
Southern Chemical Co. (Now: Atlantic Chemical Corp.)			
Nok-Out-Bam			
Arsenic trioxide.....	3.00	3.02	Passed
do.....	3.00	3.02	Passed
S. C. Wells and Co. (Now: Brown Manufacturing Co.)			
Rough on Rats			
Arsenic trioxide.....	73.90	72.52	Passed
CALCIUM ARSENATE-METALDEHYDE			
Swift and Co. Agricultural Chemical Div.			
End-O-Pest Snail Slug and Cutworm Pellets			
Calcium arsenate.....	5.00	3.88 2.13 0.22	Passed
Metaldehyde.....	3.15		
Arsenic as metallic.....	1.88		
Arsenic water soluble (not more than)...	1.25		
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Snail and Slug Pellets			
Calcium arsenate.....	5.00	3.20 2.16	Passed
Metaldehyde.....	3.20		
Arsenic as metallic.....	1.87		
Calcium arsenate.....	5.00	3.88 2.02	Passed
Metaldehyde.....	3.20		
Arsenic as metallic.....	1.87		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
LEAD ARSENATE			
Acme Quality Paints, Inc.			
Acme Arsenate of Lead			
Lead arsenate	98.00		Passed
Arsenic as metallic	21.15	23.05	
Arsenic water soluble (not more than) . .	0.50	0.40	
Lead as metallic	58.00	58.60	
Chipman Chemical Company, Inc.			
Chipman Hi-Test Lead Arsenate			
Lead arsenate	98.00		Passed
Arsenic as metallic	21.00	21.74	
Arsenic water soluble (not more than) . .	0.35	0.25	
Lead as metallic	58.00	57.88	
Desoto Chemical Company, Inc.			
Gator Roach Hives			
Lead arsenate	16.20		Excessive Active Ingredient
Arsenic as metallic	3.50	5.04	
Arsenic water soluble (not more than) . .	0.10	0.14	
Lead arsenate	16.20		Passed
Arsenic as metallic	3.50	4.18	
Arsenic water soluble (not more than) . .	0.10	0.04	
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Lead Arsenate (Standard)			
Lead arsenate	96.00		Passed
Arsenic as metallic	20.72	20.27	
Arsenic water soluble (not more than) . .	.....	0.09	
Lead as metallic	58.00	59.91	Passed
Lead arsenate	96.00		
Arsenic as metallic	20.72	20.99	
Arsenic water soluble (not more than) . .	.....	0.20	
Lead as metallic	58.00	58.06	
Woolfolk Chemical Works, Ltd.			
Security Brand Lead Arsenate			
Lead arsenate	97.00		Passed
Arsenic as metallic	20.90	20.76	
Arsenic water soluble (not more than) . .	0.33	0.26	
Lead as metallic	57.80	58.49	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
LEAD ARSENATE-CAPTAN-DDT			
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Fruit Spray Powder			
Lead arsenate.....	25.00		Passed
Captan.....	10.00		
DDT.....	10.00		
Arsenic as metallic.....	5.39	6.10	
Arsenic water soluble (not more than) ..	0.50	0.11	
Theoretical chlorine.....	8.54	8.17	

LEAD ARSENATE- COPPER- SULFUR- ZINC

Taylor Chemical Co.

Superkill Pan Apple Spray

Lead arsenate.....	16.00		Passed
Copper as metallic.....	3.20	3.10	
Sulfur.....	38.00	42.32	
Zinc as metallic.....	4.60	4.56	
Arsenic as metallic.....	3.00	3.19	
Arsenic water soluble (not more than) ..	0.30	None	
Lead arsenate.....	16.00		Passed
Copper as metallic.....	3.20	3.29	
Sulfur.....	38.00	40.15	
Zinc as metallic.....	4.60	4.80	
Arsenic as metallic.....	3.00	3.70	
Arsenic water soluble (not more than) ..	0.30	0.11	
Lead arsenate.....	16.00		Passed
Copper as metallic.....	3.20	3.21	
Sulfur.....	38.00	44.67	
Zinc as metallic.....	4.60	4.58	
Arsenic as metallic.....	3.00	3.38	
Arsenic water soluble (not more than) ..	0.30	0.14	

LEAD ARSENATE-SULFUR-ZINC

Woolfolk Chemical Works, Ltd.

Security Brand Pan Peach Spray

Lead arsenate.....	11.50		Passed
Sulfur.....	34.00	33.42	
Zinc as metallic.....	9.60	10.15	
Arsenic as metallic.....	2.48	2.74	
Arsenic water soluble (not more than) ..	0.20	0.20	

SODIUM ARSENATE

Atla Chemical Company, Inc.

Atla Anti-Ant

Sodium arsenate.....	1.88	1.89	Passed
do.....	1.88	2.41	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Boyle-Midway Inc.			
Antrol Ant Syrup			
Sodium arsenate.....	0.61	1.14	Passed
Harris Products Company, Inc.			
Ant Buttons			
Sodium arsenate.....	1.71	4.09	Excessive
do.....	1.71	2.16	Active Ingredient Passed
Mahaffey Co.			
Mahaffey's Ant Killer			
Sodium arsenate.....	2.50	2.75	Passed
Pilot Products Co.			
Pilot Ant-Syrup			
Sodium arsenate.....	2.00	1.71	Deficient
do.....	2.00	2.12	Passed
Senoret Chemical Company, Inc.			
Terro Ant Killer			
Sodium arsenate.....	2.27	2.65	Passed
do.....	2.27	2.66	Passed
do.....	2.27	2.60	Passed
do.....	2.27	2.87	Passed
do.....	2.27	2.72	Passed
TRICALCIUM ARSENATE-COPPER			
Woolfolk Chemical Works, Ltd.			
Security Brand Tomato Dust			
Tricalcium arsenate.....	60.00		Passed
Copper as metallic.....	7.00	7.03	
Arsenic as metallic.....	22.69	22.43	
Arsenic water soluble (not more than)...	0.49	0.01	
Tricalcium arsenate.....	60.00		Passed
Copper as metallic.....	7.00	6.71	
Arsenic as metallic.....	22.69	22.25	
Arsenic water soluble (not more than)...	0.49	0.15	
TRICALCIUM ARSENATE-METALDEHYDE			
Boyle-Midway Inc.			
Snarol Pellets			
Tricalcium arsenate.....	5.00		Passed
Metaldehyde.....	3.15	3.18	
Arsenic as metallic.....	1.88	2.17	
Arsenic water soluble (not more than)...	1.25	0.40	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
BHC			
California Chemical Company-Ortho Div.			
Ortho Isotox Transplanter Solution			
Gamma isomer of BHC.....	5.00	7.68	Excessive Active Ingredient
do.....	5.00	7.61	Excessive Active Ingredient
California Spray-Chemical Corp. (Now: California Chemical Company-Ortho Div.)			
Isotox Liquid Dairy Spray			
Gamma isomer of BHC.....	20.00	20.41	Passed
Chemical Corporation of America			
Freewax			
Gamma isomer of BHC.....	0.50	0.51	Passed
Hydroponic Chemical Company, Inc.			
Bugonex House Plant Bug Killer Dust-1% Lindane			
Gamma isomer of BHC.....	1.00	0.95	Passed
Dr. LeGear, Inc.			
Dr. LeGear's Louse Powder			
Gamma isomer of BHC.....	1.00	1.05	Passed
do.....	1.00	1.00	Passed
Maxwell Insecticide Company, Inc.			
Maxwell 1% Lindane Dust			
Gamma isomer of BHC.....	1.00	1.30	Passed
Pet Chemicals, Inc.			
Holiday Ant Butter			
Gamma isomer of BHC.....	0.05	0.06	Not Registered
Thompson-Hayward Chemical Co. Philips Roxane Div.			
De-Pester Lindane E-1			
Gamma isomer of BHC.....	12.50	12.98	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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**United Cooperatives, Inc.
(Registered by Farmers Cooperative Exchange, Inc.)**

Unico Lindane Emulsifiable Concentrate

Gamma isomer of BHC.....	20.00	20.28	Passed
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Vaporette Inc.

Vaporette Bug Killer

Gamma isomer of BHC.....	100.00	98.66	Passed
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Woolfolk Chemical Works, Ltd.

Security Brand Benzex Wettafle Benzene Hexachloride

Gamma isomer of BHC.....	6.00	6.80	Passed
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BHC-CAPTAN

California Chemical Company-Ortho Div.

Ortho Isotox 25 Seed Treater (F)

Gamma isomer of BHC.....	25.00		Passed
Captan.....	12.50		
Theoretical chlorine.....	22.34	21.71	

**BHC-CAPTAN-KARATHANE-
PIPERONYL BUTOXIDE-
PYRETHRINS-ROTENONE**

Boyle-Midway Inc.

Antrol Multi-Purpose Rose Spray Flower Bomb

Gamma isomer of BHC.....	1.00		Passed
Captan.....	0.50		
Karathane.....	0.25		
Piperonyl butoxide.....	0.25	0.24	
Pyrethrins.....	0.025	0.032	
Rotenone.....	0.20	Present	
Theoretical chlorine.....	0.90	0.88	
Theoretical nitrogen.....	0.05	0.04	
Gamma isomer of BHC.....	1.00		Passed
Captan.....	0.50		
Karathane.....	0.25		
Piperonyl butoxide.....	0.25	0.24	
Pyrethrins.....	0.025	0.04	
Rotenone.....	0.20	Present	
Theoretical chlorine.....	0.90	0.59	
Theoretical nitrogen.....	0.05	0.04	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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BHC-CAPTAN-METHOXYCHLOR- ZIRAM

California Spray-Chemical Corp.
(Now: California Chemical Company-Ortho Div.)

Ortho Botano de luxe Garden Dust

Gamma isomer of BHC.....	1.00		Passed
Captan.....	5.00		
Methoxychlor.....	5.00		
Ziram.....	3.00		
Theoretical chlorine.....	4.02	3.88	
Theoretical nitrogen.....	0.51	0.54	

BHC-DDT

Southern Agricultural Chemicals, Inc.

Royal Brand 3-5-0 Cotton Dust

Gamma isomer of BHC.....	3.00	3.31	Passed
DDT.....	5.00	5.60	

Royal Brand 3-10-0 Cotton Dust

Gamma isomer of BHC.....	3.00	3.41	Passed
DDT.....	10.00	9.88	

Swift and Co.
Agricultural Chemical Div.

Swift's Gold Bear BD 37 D

Gamma isomer of BHC.....	3.00	3.57	Passed
DDT.....	7.00	7.73	

Woolfolk Chemical Works, Ltd.

Security Brand 3-10-0 Cotton Dust

Gamma isomer of BHC.....	3.00	3.42	Passed
DDT.....	10.00	10.73	

BHC-DDT-ARAMITE-FERBAM-SULFUR

Miller Chemical and Fertilizer Corp.

Miller New Improved Rose Dust or Spray

Gamma isomer of BHC.....	1.50		Deficient
DDT.....	5.00		Not
Aramite.....	2.00		Registered
Ferbam.....	7.60	5.94	
Sulfur.....	25.00	26.39	
Theoretical chlorine.....	3.81	3.62	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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BHC-DDT-ARAMITE-KARATHANE-ZINEB

Black Leaf Products Co.

Black Leaf Rose Leaf Floral Dust

Gamma isomer of BHC.....	1.00		Deficient
DDT.....	5.00		
Aramite.....	1.50		
Karathane.....	1.00		
Zineb.....	3.90	3.65	
Theoretical chlorine.....	3.39	3.68	
Theoretical nitrogen.....	0.47	0.52	

Maxwell Insecticide Company, Inc.

Maxwell's New Formula Rose Dust

Gamma isomer of BHC.....	1.00		Passed
DDT.....	5.00		
Aramite.....	1.50		
Karathane.....	1.00		
Zineb.....	6.00	6.17	
Theoretical chlorine.....	3.39	3.40	
Theoretical nitrogen.....	0.68	0.82	
Gamma isomer of BHC.....	1.00		Passed
DDT.....	5.00		
Aramite.....	1.50		
Karathane.....	1.00		
Zineb.....	6.00	6.55	
Theoretical chlorine.....	3.39	3.55	
Theoretical nitrogen.....	0.68	0.66	
Gamma isomer of BHC.....	1.00		Deficient
DDT.....	5.00		
Aramite.....	1.50		
Karathane.....	1.00		
Zineb.....	6.00	4.93	
Theoretical chlorine.....	3.39	3.51	
Theoretical nitrogen.....	0.68	0.64	

BHC-DDT-ARAMITE-SULFUR-ZINEB

J. M. Harris and Company, Inc.

Dragon Rose Dust

Gamma isomer of BHC.....	1.00		Passed
DDT.....	5.00		
Aramite.....	1.50		
Sulfur.....	25.00	25.25	
Zineb.....	6.00	6.05	
Theoretical chlorine.....	3.39	3.40	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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BHC-DDT-CAPTAN-ROTENONE-SULFUR**Carbola Chemical Company, Inc.**

Carbola CCC Rose Dust or Spray

Gamma isomer of BHC.....	0.50		Passed
DDT.....	5.00		
Captan.....	7.50		
Rotenone.....	0.75	Present	
Sulfur.....	20.00	21.01	
Theoretical chlorine.....	5.52	5.39	

BHC-DDT-DDVP**Boyle-Midway Inc.**

Black Flag Wasp and Hornet 12 Ft. Jet Spray

Gamma isomer of BHC.....	0.30		Passed
DDT.....	1.00		
DDVP.....	0.20		
Theoretical chlorine.....	0.78	0.75	

BHC-DDT-PHALTAN-SULFUR**California Chemical Company-Ortho Div.**

Ortho Rose Dust

Gamma isomer of BHC.....	1.00		Passed
DDT.....	5.00		
Phaltan.....	7.50		
Sulfur.....	30.00	31.34	
Theoretical chlorine.....	5.88	6.05	
Gamma isomer of BHC.....	1.00		Passed
DDT.....	5.00		
Phaltan.....	7.50		
Sulfur.....	30.00	30.17	
Theoretical chlorine.....	5.88	5.81	

BHC-DDT-PHALTAN-SULFUR-ZINEB**United Cooperatives, Inc.**

(Registered by Farmers Cooperative Exchange, Inc.)

Unico Rose and Floral Dust

Gamma isomer of BHC.....	1.00		Passed
DDT.....	5.00		
Phaltan.....	5.00		
Sulfur.....	25.00	25.33	
Zineb.....	5.00	4.91	
Theoretical chlorine.....	5.02	5.28	
Gamma isomer of BHC.....	1.00		Passed
DDT.....	5.00		
Phaltan.....	5.00		
Sulfur.....	25.00	27.98	
Zineb.....	5.00	5.67	
Theoretical chlorine.....	5.02	5.57	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
BHC-DDT-SULFUR-ZINEB			
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Rose and Floral Spray Powder			
Gamma isomer of BHC.....	3.00		Passed
DDT.....	12.50		
Sulfur.....	20.00	19.80	
Zineb.....	12.50	12.20	
Theoretical chlorine.....	8.44	8.58	
BHC-DDT-THANITE			
Esso Standard Oil Co. (Now: Humble Oil and Refining Co.)			
Flit Fly and Mosquito Killer with Aromin			
Gamma isomer of BHC.....	0.075		Passed
DDT.....	1.75		
Thanite.....	1.00	Present	
Theoretical chlorine.....	0.93	0.88	
BHC-DIBROM			
California Chemical Company-Ortho Div.			
Ortho Ant and Roach Bomb			
Gamma isomer of BHC.....	0.25		Passed
Dibrom.....	0.50		
Theoretical chlorine.....	0.28	0.33	
BHC-DICHLOROPHENE-MALATHION			
Happy Jack, Inc.			
Happy Jack Flea-Tick Powder for Dogs			
Gamma isomer of BHC.....	1.00		Passed
Dichlorophene.....	2.00		
Malathion.....	2.00	1.98	
Theoretical chlorine.....	1.26	1.81	
Gamma isomer of BHC.....	1.00		Deficient
Dichlorophene.....	2.00		
Malathion.....	2.00	1.84	
Theoretical chlorine.....	1.26	1.01	
BHC—HEXACHLOROPHENE— 2,2-THIOBIS (4-6 DICHLOROPHENOL)			
Dr. LeGear, Inc.			
Dr. LeGear's Flea, Tick Powder			
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2-Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.73	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Dr. LeGear's Flea, Tick Powder (Continued)			
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2-Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.63	
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2-Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.65	
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2-Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.91	
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2-Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.65	

BHC-KARATHANE-KELTHANE- SEVIN-ZINEB

Woolfolk Chemical Works, Ltd.

Security Brand Pan Plant Dust

Gamma isomer of BHC.....	1.00		Passed
Karathane.....	1.00		
Kelthane.....	2.00		
Sevin.....	5.00		
Zineb.....	6.00	5.82	
Theoretical chlorine.....	1.69	2.06	
Theoretical nitrogen.....	1.03	1.36	

BHC-KELTHANE-PHALTAN-SEVIN

Miller Chemical and Fertilizer Corp.

Miller Rose Spray

Gamma isomer of BHC.....	3.50		Deficient Not Registered
Kelthane.....	5.15		
Phaltan.....	14.00		
Sevin.....	14.00		
Theoretical chlorine.....	10.04	9.32	
Theoretical nitrogen.....	1.65	1.70	

BHC-MANEB

Armour Agricultural Chemical Co.

Armagard Special Customer Mixture

Gamma isomer of BHC.....	1.00	0.93	Deficient Not Registered Misbranded
Maneb.....	8.00	4.45	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Smith-Douglass Company, Inc.			
Special Customer Mixture			
Gamma isomer of BHC.....	1.00	1.08	Deficient Misbranded
Maneb.....	8.00	6.20	
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Vegetable and Floral Dust			
Gamma isomer of BHC.....	1.00	1.15	Deficient
Maneb.....	5.00	4.41	
Gamma isomer of BHC.....	1.00	1.10	Deficient
Maneb.....	5.00	4.40	
SA-50 Brand Cucumber and Squash Dust			
Gamma isomer of BHC.....	1.00	1.75	Deficient
Maneb.....	5.60	4.87	
BHC-METHOXYCHLOR-SULFUR			
Ralston Purina Co.			
Purina Insect Killer			
Gamma isomer of BHC.....	0.50		Passed
Methoxychlor.....	2.50		
Sulfur.....	10.00	10.04	
Theoretical chlorine.....	1.13	1.33	
Gamma isomer of BHC.....	0.50		Passed
Methoxychlor.....	2.50		
Sulfur.....	10.00	10.98	
Theoretical chlorine.....	1.13	1.23	
Gamma isomer of BHC.....	0.50		Passed
Methoxychlor.....	2.50		
Sulfur.....	10.00	10.19	
Theoretical chlorine.....	1.13	1.30	
Gamma isomer of BHC.....	0.50		Passed
Methoxychlor.....	2.50		
Sulfur.....	10.00	10.92	
Theoretical chlorine.....	1.13	1.17	
Gamma isomer of BHC.....	0.50		Passed
Methoxychlor.....	2.50		
Sulfur.....	10.00	10.58	
Theoretical chlorine.....	1.13	1.23	
BHC-SULFUR			
Ralston Purina Co.			
Purina Hog and Cattle Dusting Powder			
Gamma isomer of BHC.....	1.00	1.10	Passed
Sulfur.....	10.00	10.33	
Gamma isomer of BHC.....	1.00	1.32	Passed
Sulfur.....	10.00	10.36	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
BHC-TOXAPHENE			
California Chemical Company-Ortho Div.			
Ortho Kleen Stock Spray or Dip			
Gamma isomer of BHC.	1.70		Passed
Toxaphene.	43.40		
Theoretical chlorine.	30.32	30.50	
Thompson-Hayward Chemical Co. Philips Roxane Div.			
De-Pester Lindane Toxaphene Stock Spray and Dip			
Gamma isomer of BHC.	1.00		Passed
Toxaphene.	45.00		
Theoretical chlorine.	30.88	31.86	
BHC-ZINEB			
Planters Chemical Corp.			
Planters 1% Lindane—6.5% Zineb Dust			
Gamma isomer of BHC.	1.00	1.23	Passed
Zineb.	6.50	6.21	
BORIC ACID			
P. F. Harris Manufacturing Company, Inc.			
Harris Famous Roach Tablets			
Boric acid.	40.00	45.13	Passed
James W. King Co.			
King Roach Killer Kaps			
Boric acid.	40.00	45.50	Passed
Pest-Guard Products, Inc.			
Pest-Guard Roach Tubes			
Boric acid.	40.00	38.00	Passed
do.	40.00	40.30	Passed
Spindle City Chemical Co.			
Doc Edmond's Roach Powder			
Boric acid.	99.00	97.18	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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CAPTAN**California Chemical Company-Ortho Div.****Ortho Soybean Seed Protectant**

Captan	25.00	25.00	Passed
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**CAPTAN-KELTHANE-MALATHION-
METHOXYCHLOR****Miller Chemical and Fertilizer Corp.****Mico Fruit Spray**

Captan	12.50		Deficient
Kelthane	3.37		Not
Malathion	6.25	6.40	Registered
Methoxychlor	12.50		
Theoretical chlorine	9.84	8.29	

CAPTAN-KELTHANE-SEVIN**Woolfolk Chemical Works, Ltd.****Security Brand Pan Fruit Dust or Spray**

Captan	7.50		Passed
Kelthane	2.00		
Sevin	7.50		
Theoretical chlorine	3.62	3.83	
Theoretical nitrogen	0.87	0.92	
Captan	7.50		Passed
Kelthane	2.00		
Sevin	7.50		
Theoretical chlorine	3.62	3.56	
Theoretical nitrogen	0.87	0.90	
Captan	7.50		Passed
Kelthane	2.00		
Sevin	7.50		
Theoretical chlorine	3.62	3.53	
Theoretical nitrogen	0.87	0.88	

**CAPTAN-MALATHION-
METHOXYCHLOR****California Chemical Company-Ortho Div.****Ortho Home Orchard Spray**

Captan	15.00		Passed
Malathion	7.50	7.48	
Methoxychlor	15.00		
Theoretical chlorine	9.96	10.67	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Rigo Manufacturing Co.

Kill-Ko 3 in 1 Garden Dust

Captan.....	4.00		Passed
Malathion.....	4.00	4.02	
Methoxychlor.....	5.00		
Theoretical chlorine.....	2.96	3.09	

**CAPTAN-MALATHION-
METHOXYCHLOR-SULFUR****Boyle-Midway Inc.**

Antrol Multi-Purpose Rose and Flower Dust

Captan.....	4.00		Passed
Malathion.....	4.00	4.77	
Methoxychlor.....	5.00		
Sulfur.....	25.00	25.89	
Theoretical chlorine.....	2.94	2.94	
Captan.....	4.00		Deficient
Malathion.....	4.00	3.63	
Methoxychlor.....	5.00		
Sulfur.....	25.00	26.52	
Theoretical chlorine.....	2.94	2.88	

**CAPTAN-METHOXYCHLOR-
ROTENONE-SULFUR****United Cooperatives, Inc.**

(Registered by Farmers Cooperative Exchange, Inc.)

Unico Dust for Small Fruits

Captan.....	7.50		Passed
Methoxychlor.....	5.00		
Rotenone.....	1.00	Present	
Sulfur.....	25.00	25.02	
Theoretical chlorine.....	4.18	4.06	
Captan.....	7.50		Passed
Methoxychlor.....	5.00		
Rotenone.....	1.00	Present	
Sulfur.....	25.00	26.44	
Theoretical chlorine.....	4.18	4.48	
Captan.....	7.50		Passed
Methoxychlor.....	5.00		
Rotenone.....	1.00	Present	
Sulfur.....	25.00	25.45	
Theoretical chlorine.....	4.18	4.18	
Captan.....	7.50		Passed
Methoxychlor.....	5.00		
Rotenone.....	1.00	Present	
Sulfur.....	25.00	24.83	
Theoretical chlorine.....	4.18	4.14	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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CAPTAN-METHOXYCHLOR-SEVIN**Rigo Manufacturing Co.****Kill-Ko 3 in 1 Garden Dust**

Captan	4.00		Passed
Methoxychlor	5.00		
Sevin	1.75		
Theoretical chlorine	2.94	3.09	
Theoretical nitrogen	0.31	0.36	
Captan	4.00		Passed
Methoxychlor	5.00		
Sevin	1.75		
Theoretical chlorine	2.94	3.17	
Theoretical nitrogen	0.31	0.26	
Captan	4.00		Passed
Methoxychlor	5.00		
Sevin	1.75		
Theoretical chlorine	2.94	3.08	
Theoretical nitrogen	0.31	0.35	

CAPTAN-TERRACHLOR**California Spray-Chemical Corp.****(Now: California Chemical Company-Ortho Div.)****Orthocide Soil Treater "X"**

Captan	10.00		Passed
Terrachlor	10.00		
Theoretical chlorine	9.54	9.07	

Olin Mathieson Chemical Corp.**Mathieson Terracap 10-10 Dust**

Captan	10.00		Passed
Terrachlor	10.00		
Theoretical chlorine	9.54	9.29	

CHLORDANE**Acme Quality Paints, Inc.****Acme 10% Chlordane Dust**

Chlordane	10.00	10.43	Passed
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Acme 45% Chlordane Spray

Chlordane	45.00	46.21	Passed
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Acme 72% Chlordane Spray

Chlordane	72.00	70.79	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Deicions
California Chemical Company-Ortho Div.			
Ortho-Klor 10 Chlordane Dust			
Chlordane.....	10.00	10.57	Passed
do.....	10.00	10.14	Passed
Ortho-Klor 44 Chlordane Spray			
Chlordane.....	44.00	45.12	Passed
Carbola Chemical Co.			
Carbola CCC 6% Chlordane Dust			
Chlordane.....	6.00	5.92	Passed
Farmers Cooperative Exchange, Inc.			
FCX 10% Chlordane Dust			
Chlordane.....	10.00	9.00	Deficient
do.....	10.00	9.86	Passed
FCX Chlordane Emulsifiable Concentrate			
Chlordane.....	45.00	46.98	Passed
FCX 50% Wettable Chlordane Powder			
Chlordane.....	50.00	50.33	Passed
do.....	50.00	51.43	Passed
FCX Chlordane-8 Emulsifiable Concentrate			
Chlordane.....	73.00	75.19	Passed
Graham Chemical Co.			
Red Star Termite-Lawn Pests Chlordane			
Chlordane.....	70.48	70.73	Passed
Earl Grissmer Company, Inc.			
Roach Filmz			
Chlordane.....	2.00	2.17	Passed
Maxwell Insecticide Company, Inc.			
Maxwell Roach and Ant Liquid			
Chlordane.....	2.00	3.29	Passed
Maxwell 5% Chlordane Dust			
Chlordane.....	5.00	5.07	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell 40% Wettable Chlordane			
Chlordane	40.00	38.84	Passed
do	40.00	38.86	Passed
do	40.00	38.29	Passed
Maxwell Chlordane-8 Emulsifiable Concentrate			
Chlordane	72.00	69.97	Passed
Miller Chemical and Fertilizer Corp.			
Miller 6% Chlordane Dust			
Chlordane	6.00	5.92	Passed
Planters Chemical Corp.			
Special Customer Mixture			
Chlordane	10.00	9.21	Misbranded Not Registered
Rigo Manufacturing Co.			
Kill-Ko 10% Chlordane Dust			
Chlordane	10.00	9.00	Deficient
do	10.00	12.86	Passed
O. M. Scott and Sons Co.			
Cope Kill Insects			
Chlordane	8.00	6.97	Deficient
Sears, Roebuck and Co.			
Cross Country 10% Chlordane Many Purpose Dust			
Chlordane	10.00	10.00	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 10% Chlordane Dust			
Chlordane	10.00	10.29	Passed
Swift and Co.			
Agricultural Chemical Div.			
End-O-Pest Lawn Insect Killer			
Chlordane	45.00	44.59	Passed
do	45.00	45.32	Passed
Taylor Chemical Co.			
Superkill 10% Chlordane Dust			
Chlordane	10.00	9.64	Passed
do	10.00	9.57	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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United Cooperatives, Inc.
(Registered by Farmers Cooperative Exchange, Inc.)

Unico 5% Chlordane Granular

Chlordane.....	5.00	5.14	Passed
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Unico Chlordane Dust

Chlordane.....	6.00	8.06	Excessive Active Ingredient
do.....	6.00	7.03	Passed

Unico Chlordane Emulsifiable Concentrate

Chlordane.....	45.00	45.59	Passed
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Woolfolk Chemical Works, Ltd.

Security Brand 5% Chlordane Dust

Chlordane.....	5.00	4.89	Passed
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Security Brand 10% Chlordane Dust

Chlordane.....	10.00	10.57	Passed
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CHLORDANE-BORIC ACID

Heller Laboratories, Inc.
A Division of B. Heller and Co.

\$1000.00 Guaranteed Roach Killer

Chlordane.....	0.20	0.36	Passed
Boric Acid.....	51.00	49.47	
Chlordane.....	0.20	0.24	Passed
Boric Acid.....	51.00	48.60	
Chlordane.....	0.20	0.44	Passed
Boric Acid.....	51.00	49.00	

**CHLORDANE—DIAZINON—N-OCTYL BICYCLOHEPTENE
DICARBOXIMIDE—PIPERONYL BUTOXIDE—PYRETHRINS**

Hot Shot Quality Products, Inc.

Hot Shot New Diazinon Bug Killer

Chlordane.....	1.00	0.95	Passed
Diazinon.....	0.333		
N-octyl bicycloheptene dicarboximide..	0.15		
Piperonyl butoxide.....	0.09	0.08	
Pyrethrins.....	0.06	0.06	
Theoretical nitrogen.....	0.04	0.03	
Chlordane.....	1.00	1.18	Passed
Diazinon.....	0.333		
N-octyl bicycloheptene dicarboximide..	0.15		
Piperonyl butoxide.....	0.09	0.07	
Pyrethrins.....	0.06	0.06	
Theoretical nitrogen.....	0.04	0.08	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Hot Shot New Diazinon Bug Killer (Continued)			
Chlordane.....	1.00	1.03	Passed
Diazinon.....	0.333		
N-octyl bicycloheptene dicarboximide..	0.15		
Piperonyl butoxide.....	0.09	0.08	
Pyrethrins.....	0.06	0.06	
Theoretical nitrogen.....	0.04	0.04	
Red and White Distributors, Inc.			
Red and White Bug Killer			
Chlordane.....	1.00	0.99	Not Registered
Diazinon.....	0.333		
N-octyl bicycloheptene dicarboximide..	0.15		
Piperonyl butoxide.....	0.09	0.10	
Pyrethrins.....	0.06	0.08	
Theoretical nitrogen.....	0.04	0.06	
CHLORDANE-DIAZINON-PYRETHRINS			
Gulf Oil Corp.			
Gulf Liquid Roach Ant Killer			
Chlordane.....	1.00	1.09	Passed
Diazinon.....	0.33	0.54	
Pyrethrins.....	0.08	0.08	
Chlordane.....	1.00	1.11	Passed
Diazinon.....	0.33	0.76	
Pyrethrins.....	0.08	0.09	
CHLORDANE-LETHANE 60- LETHANE 384			
Swift and Co. Agricultural Chemical Div.			
End-O-Pest Ant and Lawn Insect Killer			
Chlordane.....	8.00	7.66	Passed
Lethane 60.....	0.75		
Lethane 384.....	0.25		
Organic thiocyanates.....	1.00	Present	
Chlordane.....	8.00	7.88	Passed
Lethane 60.....	0.75		
Lethane 384.....	0.25		
Organic thiocyanates.....	1.00	Present	
CHLORDANE-MALATHION- PIPERONYL BUTOXIDE-PYRETHRINS			
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Ant and Roach Killer			
Chlordane.....	2.00	2.15	Passed
Malathion.....	1.00	0.96	
Piperonyl butoxide.....	0.20	0.17	
Pyrethrins.....	0.02	0.03	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
CHLORDANE-PIPERONYL BUTOXIDE-PYRETHRINS			
Acme Quality Paints, Inc.			
Acme Wasp and Hornet Jet Spray			
Chlordane.....	2.00	1.93	Passed
Piperonyl butoxide.....	0.30	0.27	
Pyrethrins.....	0.15	0.14	
Allied Drug Products Co.			
Magic Brand Bug Killer			
Chlordane.....	2.00	2.20	Passed
Piperonyl butoxide.....	0.115	0.17	
Pyrethrins.....	0.046	0.08	
Boyle-Midway Inc.			
Black Flag Insecticide Powder Kills Ants			
Chlordane.....	1.50	2.10	Passed
Piperonyl butoxide.....	0.35	0.20	
Pyrethrins.....	0.06	0.05	
Chlordane.....	1.50	2.06	Passed
Piperonyl butoxide.....	0.35	0.23	
Pyrethrins.....	0.06	0.06	
Colgate-Palmolive Co.			
Colgate's Kan-Kil Ant and Roach Killer with Chlordane			
Chlordane.....	2.00	1.45	Deficient
Piperonyl butoxide.....	0.092	0.13	
Pyrethrins.....	0.046	0.05	
The Dill Company, Inc.			
D. K. Roach and Ant Killer Aerosol			
Chlordane.....	2.00	1.95	Passed
Piperonyl butoxide.....	0.115	0.10	
Pyrethrins.....	0.046	0.06	
D. K. Roach and Ant Killer Spray			
Chlordane.....	2.00	2.16	Passed
Piperonyl butoxide.....	0.092	0.10	
Pyrethrins.....	0.046	0.05	
W. R. Peele Company, Inc.			
Pelco Roach and Ant Spray			
Chlordane.....	2.00	2.00	Passed
Piperonyl butoxide.....	0.115	0.15	
Pyrethrins.....	0.046	0.06	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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John C. Stalfort and Sons, Inc.

Pleezing Roach and Ant Spray Residual Insecticide

Chlordane.....	2.00	1.45	Deficient
Piperonyl butoxide.....	0.115	0.09	
Pyrethrins.....	0.046	0.05	

**CHLORDANE-PIPERONYL
CYCLONENE-PYRETHRINS****Boyle-Midway Inc.**

Black Flag Insecticide Powder

Chlordane.....	1.50	1.95	Passed
Piperonyl cyclonene.....	0.35	Present	
Pyrethrins.....	0.06	0.10	

COPPER**Southern Agricultural Insecticides, Inc.**

SA-50 Brand Tomato Dust

Copper as metallic.....	7.00	7.13	Passed
do.....	7.00	7.09	Passed
do.....	7.00	7.36	Passed

**Tennessee Copper Co.
Division Tennessee Corp.**

TC-90 Emulsifiable Liquid Copper Fungicide

Copper as metallic.....	4.00	4.15	Passed
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**United Cooperatives, Inc.
(Registered by Farmers Cooperative Exchange, Inc.)**

Unico Copper Fungicide

Copper as metallic.....	53.00	52.61	Passed
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COPPER-SULFUR**Armour Agricultural Chemical Co.**

Armagard-Copper-Sulfur Dust for Peanuts

Copper as metallic.....	4.00	3.92	Passed
Sulfur.....	85.00	82.58	

Carolina Chemical Corp.

Champion Peanut Dust

Copper as metallic.....	4.00	3.08	Deficient
Sulfur.....	80.00	80.28	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Coastal Chemical Corp.			
Coastal 4% Metallic Copper 85.5% Sulfur Peanut Dust			
Copper as metallic.....	4.00	4.51	Passed
Sulfur.....	85.50	85.48	
Daly-Herring Co.			
Dee Aitch Copper 4-Sulfur 75-Boron 3.34%			
Copper as metallic.....	4.00	3.53	Deficient Not Registered
Sulfur.....	75.00	70.86	
Dee Aitch 4% Metallic Copper 85.5% Sulfur Peanut Dust			
Copper as metallic.....	4.00	4.09	Passed
Sulfur.....	85.50	89.89	
Farmers Cooperative Exchange, Inc.			
FCX Copper Sulfur Peanut Dust			
Copper as metallic.....	4.00	4.03	Passed
Sulfur.....	85.56	82.19	
GurMiCo Chemicals, Inc.			
GurMiCo Peanut 4% Copper 80% Sulfur Dust			
Copper as metallic.....	4.00	3.86	Deficient
Sulfur.....	80.00	70.76	
Howerton Gowen Chemicals, Inc.			
Gowen's Air-Floated Copper Sulfur Dust			
Copper as metallic.....	4.00	3.90	Passed
Sulfur.....	90.00	89.20	
Meherrin Agricultural and Chemical Co.			
Red Kay 4% Copper-Sulfur Peanut Dust			
Copper as metallic.....	4.00	3.39	Deficient
Sulfur.....	86.00	82.79	
Niagara Chemical Div. Food Machinery and Chemical Corp.			
Niagara Peanut Dust 40-80			
Copper as metallic.....	4.00	3.88	Passed
Sulfur.....	80.00	81.18	
Olin Mathieson Chemical Corp.			
Peanut Dust			
Copper as metallic.....	4.00	4.22	Passed
Sulfur.....	89.00	84.65	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters Chemical Corp.			
Planters Copper-Sulfur Dust for Peanuts			
Copper as metallic.....	4.00	4.16	Passed
Sulfur.....	85.00	81.55	
Smith-Douglass Company, Inc.			
Smith-Douglass Copper-Sulfur Dust for Peanuts			
Copper as metallic.....	4.00	3.94	Deficient
Sulfur.....	85.00	79.36	
Swift and Co.			
Agricultural Chemical Div.			
Swift's Gold Bear 4% Copper 85% Sulfur Dust			
Copper as metallic.....	4.00	4.10	Passed
Sulfur.....	85.00	82.94	
Copper as metallic.....	4.00	3.44	Deficient
Sulfur.....	85.00	83.85	
2,4-D			
California Chemical Company-Ortho Div.			
Ortho 2,4-D Amine 4			
Dimethylamine salt of 2,4-D.....	49.40	48.44	Passed
The Dow Chemical Co.			
Dow Esteron 99 Concentrate			
Propylene glycol butyl ether ester of 2,4-D.....	70.50	66.34	Deficient
Dow Formula 40			
Alkanalamine salt of 2,4-D.....	65.00	38.18	Passed
2,4-D equivalent.....	39.00		
United Cooperatives, Inc.			
(Registered by Farmers Cooperative Exchange, Inc.)			
Unico 2,4-D Amine Weed Killer			
Dimethylamine salt of 2,4-D.....	49.00	49.45	Passed
do.....	49.00	48.53	Passed
2,4-D—SILVEX			
Amchem Products, Inc.			
Weedone			
Butoxy ethanol ester of 2,4-D.....	9.06	3.55	Passed
Butoxy ethanol ester of silvex.....	4.26		
Theoretical chlorine.....	3.22		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
2,4-D—2,4,5-T			
California Chemical Company-Ortho Div.			
Improved Weed-B-Gon			
Isocetyl ester of 2,4-D.....	15.10		Passed
Isocetyl ester of 2,4,5-T.....	7.20		
Theoretical phenoxyacetic acid.....	9.87	10.42	
S. C. Johnson and Son, Inc.			
Raid Weed Killer			
Morphaline 2,4-D acetate.....	0.96		Passed
Morphaline 2,4,5-T acetate.....	0.47		
Theoretical phenoxyacetic acid.....	0.68	0.89	
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Brush Killer			
Butyl ester of 2,4-D.....	29.30		Passed
Butyl ester of 2,4,5-T.....	14.20		
Theoretical phenoxyacetic acid.....	22.01	23.59	
DDD			
California Chemical Company-Ortho Div.			
Ortho TDE 2 Spray XB			
DDD.....	25.00	25.44	Passed
do.....	25.00	25.75	Passed
Cape Fear Chemicals, Inc.			
Tiger Brand 25% (TDE) Rhothane Emulsion Concentrate			
DDD.....	25.00	25.51	Passed
do.....	25.00	25.31	Passed
Carolina Chemical Corp.			
10% T. D. E. Dust			
DDD.....	10.00	9.86	Passed
do.....	10.00	9.00	Deficient
Coastal Chemical Corp.			
Coastal 10% T. D. E. Dust			
DDD.....	10.00	9.86	Passed
TDE Emulsion			
DDD.....	24.00	26.02	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Daly-Herring Co.			
Bacco Spray Emulsifiable Concentrate			
DDD.....	23.76	25.04	Passed
do.....	23.76	24.42	Passed
do.....	25.00	25.55	Passed
do.....	25.00	25.63	Passed
do.....	25.00	26.43	Passed
Farmers Cooperative Exchange, Inc.			
FCX 10% TDE Dust			
DDD.....	10.00	10.43	Passed
do.....	10.00	9.86	Passed
do.....	10.00	10.14	Passed
do.....	10.00	11.00	Passed
do.....	10.00	10.72	Passed
FCX TDE Emulsifiable Concentrate			
DDD.....	23.90	24.94	Passed
do.....	23.90	23.79	Passed
Graham Chemical Company, Inc.			
Red Star 10% "Rhothane" Dust			
DDD.....	10.00	9.86	Passed
do.....	10.00	10.14	Passed
Red Star Tobacco Spray Emulsifiable Concentrate 25% TDE			
DDD.....	25.00	24.73	Passed
GurMiCo Chemicals, Inc.			
GurMiCo Tobacco Dust 10 TDE			
DDD.....	10.00	9.79	Passed
GurMiCo TDE 25 Emulsion			
DDD.....	25.00	25.22	Passed
do.....	25.00	25.11	Passed
Maxwell Insecticide Company, Inc.			
Maxwell 10% TDE Dust			
DDD.....	10.00	9.86	Passed
do.....	10.00	10.00	Passed
do.....	10.00	9.79	Passed
Maxwell 25% Rhothane Emulsion Concentrate			
DDD.....	25.00	25.92	Passed
do.....	25.00	24.05	Passed
do.....	25.00	26.16	Passed
do.....	25.00	25.79	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Olin Mathieson Chemical Corp.			
Mathieson 10% TDE Dust			
DDD.....	10.00	9.79	Passed
do.....	10.00	9.79	Passed
Mathieson TDE (DDD) 25% Emulsifiable Concentrate			
DDD.....	25.00	28.85	Passed
do.....	25.00	25.85	Passed
do.....	25.00	25.90	Passed
Mathieson TDE 3 lb. Emulsifiable			
DDD.....	34.50	34.33	Passed
do.....	34.50	34.99	Passed
Mathieson TDE 4 lb. Emulsifiable			
DDD.....	45.00	43.80	Passed
do.....	45.00	39.95	Deficient
W. R. Peele Company, Inc.			
Pelco Tobacco Spray Emulsifiable Concentrate			
DDD.....	23.75	24.11	Passed
do.....	23.75	25.17	Passed
do.....	23.75	24.91	Passed
do.....	23.75	24.57	Passed
Planters Chemical Corp.			
Planters TDE 2 lb. Emulsion Concentrate			
DDD.....	23.80	24.38	Passed
do.....	23.80	24.18	Passed
do.....	23.80	24.13	Passed
do.....	23.80	23.45	Passed
Royster Chemical Co.			
Royster Chem-Pest "20T" Spray Concentrate			
DDD.....	23.70	25.11	Passed
do.....	23.70	24.82	Passed
do.....	23.70	25.02	Passed
do.....	23.70	25.18	Passed
Smith-Douglass Company, Inc.			
Smith-Douglass 10% TDE Dust			
DDD.....	10.00	9.86	Passed
Smith-Douglass 2 lb. TDE Emulsion Concentrate			
DDD.....	23.80	23.77	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Southern Agricultural Chemicals, Inc.			
Royal Brand Rhothane Spray Concentrate			
DDD.....	23.80	23.15	Passed
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear Brand Insecticide Dust H10—10% TDE			
DDD.....	10.00	9.72	Passed
do.....	10.00	10.07	Passed
Swift's Gold Bear TDE H-2-E			
DDD.....	23.60	23.96	Passed
Taylor Chemical Co.			
Superkill 24% TDE Emulsifiable Concentrate			
DDD.....	24.00	24.70	Passed
do.....	24.00	23.84	Passed
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico TDE Emulsifiable Concentrate			
DDD.....	23.90	23.09	Passed
DDD-DIELDRIN			
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico TDE-Dieldrin Emulsifiable Concentrate			
DDD.....	23.20		Passed
Dieldrin.....	2.20		
Theoretical chlorine.....	11.50	13.15	
DDD-DIELDRIN-MALATHION			
Swift and Co. Agricultural Chemical Div.			
End-O-Pest All-Purpose Insect Spray			
DDD.....	5.00		Passed
Dieldrin.....	5.00		
Malathion.....	12.50	12.75	
Theoretical chlorine.....	5.00	5.10	
DDD-ENDRIN			
Swift and Co. Agricultural Chemical Div.			
Gold Bear Super Guard 82			
DDD.....	22.60		Passed
Endrin.....	9.10		
Theoretical chlorine.....	15.09	15.29	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDD-MANEB			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Vine Ripe Tomato Dust			
DDD.....	5.00	5.18	Deficient
Maneb.....	5.00	2.94	
DDD-PARATHION			
Armour Agricultural Chemical Co.			
Armagard TDE-Parathion Emulsion Concentrate			
DDD.....	24.20	20.79	Deficient
Parathion.....	6.00	6.40	
California Chemical Company-Ortho Div.			
Ortho Parathion-TDE 1-10 Dust			
DDD.....	1.00	1.16	Passed
Parathion.....	10.00	10.07	
Ortho Parathion-TDE .5-2 Emulsion			
DDD.....	24.00	23.29	Passed
Parathion.....	6.00	5.88	
Carolina Chemical Corp.			
Tobacco King			
DDD.....	23.39	24.95	Passed
Parathion.....	5.86	5.89	
DDD.....	23.39	24.96	Passed
Parathion.....	5.86	5.84	
DDD.....	23.39	24.61	Passed
Parathion.....	5.86	6.03	
DDD.....	23.39	24.84	Passed
Parathion.....	5.86	5.68	
DDD.....	23.39	24.14	Excessive Active Ingredient
Parathion.....	5.86	7.05	
Carter Insecticide and Chemical Company, Inc.			
Carolina Brand TDE-Parathion Tobacco Poison			
DDD.....	24.00	24.60	Passed
Parathion.....	5.00	5.24	
DDD.....	24.00	25.35	Excessive Active Ingredient
Parathion.....	5.00	6.26	
DDD.....	24.00	23.38	Passed
Parathion.....	5.00	5.77	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carolina Brand TDE-Parathion Tobacco Poison (Continued)			
DDD.....	24.00	24.27	Passed
Parathion.....	5.00	5.94	
DDD.....	24.00	25.40	Excessive
Parathion.....	5.00	6.18	Active Ingredient
DDD.....	24.00	23.39	Excessive
Parathion.....	5.00	7.96	Active Ingredient
DDD.....	24.00	24.51	Excessive
Parathion.....	5.00	6.70	Active Ingredient
Coastal Chemical Corp.			
Knox-Out Tobacco Spray Emulsifiable Concentrate			
DDD.....	24.50	23.57	Passed
Parathion.....	6.40	6.10	
DDD.....	24.50	25.33	Deficient
Parathion.....	6.40	5.86	
DDD.....	24.50	24.78	Deficient
Parathion.....	6.40	5.97	
Daly-Herring Co.			
Dee Aitch 10-2 10% TDE 2% Parathion Dust			
DDD.....	10.00	10.14	Deficient
Parathion.....	2.00	1.74	
Dee Aitch TDE-Parathion Spray Emulsifiable Concentrate			
DDD.....	24.50	29.59	Passed
Parathion.....	6.40	6.22	
DDD.....	24.50	25.75	Passed
Parathion.....	6.40	6.20	
DDD.....	24.50	23.74	Passed
Parathion.....	6.40	6.15	
Farmers Cooperative Exchange, Inc.			
FCX 5% TDE-1% Parathion Dust			
DDD.....	5.00	5.85	Passed
Parathion.....	1.00	0.98	
FCX 10% T. D. E.-1% Parathion Dust			
DDD.....	10.00	10.72	Passed
Parathion.....	1.00	0.95	
GurMiCo Chemicals, Inc.			
GurMiCo 2 lbs. TDE 0.5 lb. Parathion Emulsion Spray			
DDD.....	25.00	25.29	Passed
Parathion.....	6.20	6.24	
DDD.....	25.00	26.41	Passed
Parathion.....	6.20	6.48	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Insecticide Company, Inc.			
Maxwell 10-1% Tobacco Dust			
DDD.....	10.00	10.14	Passed
Parathion.....	1.00	0.95	
DDD.....	10.00	10.29	Passed
Parathion.....	1.00	1.04	
DDD.....	10.00	9.50	Deficient
Parathion.....	1.00	0.89	
Maxwell Tobacco Spray-Plus Emulsion Concentrate			
DDD.....	24.00	24.83	Passed
Parathion.....	6.00	5.86	
DDD.....	24.00	24.47	Passed
Parathion.....	6.00	6.20	
DDD.....	24.00	25.16	Passed
Parathion.....	6.00	6.19	
DDD.....	24.00	23.55	Passed
Parathion.....	6.00	6.17	
DDD.....	24.00	24.74	Passed
Parathion.....	6.00	5.79	
DDD.....	24.00	25.30	Passed
Parathion.....	6.00	6.00	
Niagara Chemical Div. Food Machinery and Chemical Corp.			
Niagara Phoskil DDD Miscible			
DDD.....	24.00	24.99	Deficient
Parathion.....	6.00	5.37	
Olin Mathieson Chemical Corp.			
Mathieson Tobacco Dust 10-1			
DDD.....	10.00	10.29	Passed
Parathion.....	1.00	0.97	
Mathieson End-Dt Special Emsulsifiable Lipuid			
DDD.....	34.40	34.61	Passed
Parathion.....	8.60	8.19	
DDD.....	34.40	35.46	Passed
Parathion.....	8.60	8.51	
DDD.....	34.40	33.80	Passed
Parathion.....	8.60	8.36	
Pee Dee Chemicals, Inc. (Registered by Molony Fertilizer Co.)			
10% Rhothane Dust with 1% Parathion			
DDD.....	10.00	9.79	Deficient
Parathion.....	1.00	0.93	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Palmetto Brand 1/2-2 Parathion TDE			
DDD.....	24.00	24.78	Passed
Parathion.....	6.00	6.94	
W. R. Peele Company, Inc.			
Pelco Super Tobacco Spray Emulsion Concentrate			
DDD.....	24.00	23.50	Passed
Parathion.....	6.00	5.93	
DDD.....	24.00	24.52	Passed
Parathion.....	6.00	6.23	
DDD.....	24.00	23.49	Passed
Parathion.....	6.00	5.79	
DDD.....	24.00	24.47	Passed
Parathion.....	6.00	5.94	
Planters Chemical Corp.			
Planters 10% TDE-1% Parathion Dust			
DDD.....	10.00	9.72	Passed
Parathion.....	1.00	0.95	
Planters TDE-Parathion Emulsion Concentrate			
DDD.....	24.20	24.96	Passed
Parathion.....	6.00	6.29	
DDD.....	24.20	25.17	Passed
Parathion.....	6.00	6.23	
DDD.....	24.20	24.95	Passed
Parathion.....	6.00	6.08	
DDD.....	24.20	24.86	Passed
Parathion.....	6.00	5.90	
DDD.....	24.20	24.84	Passed
Parathion.....	6.00	6.10	
DDD.....	24.20	25.00	Passed
Parathion.....	6.00	5.91	
DDD.....	24.20	25.46	Passed
Parathion.....	6.00	5.96	
DDD.....	24.20	23.83	Passed
Parathion.....	6.00	6.47	
Royster Chemical Co.			
Royster Chem-Pest "205"			
DDD.....	24.20	25.24	Passed
Parathion.....	6.00	6.17	
DDD.....	24.20	24.22	Passed
Parathion.....	6.00	6.18	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Smith-Douglass Company, Inc.

Smith-Douglass 10% TDE-1% Parathion Dust

DDD.....	10.00	9.57	Passed
Parathion.....	1.00	0.96	

Smith-Douglass TDE-Parathion Emulsion Concentrate

DDD.....	24.20	25.03	Passed
Parathion.....	6.00	6.22	
DDD.....	24.20	25.48	Passed
Parathion.....	6.00	6.03	
DDD.....	24.20	25.57	Passed
Parathion.....	6.00	6.03	

Taylor Chemical Co.

Taylor Tobacco Spray No. 1 Emulsion Concentrate

DDD.....	24.00	24.93	Passed
Parathion.....	6.00	5.75	
DDD.....	24.00	24.22	Passed
Parathion.....	6.00	6.25	
DDD.....	24.00	24.77	Passed
Parathion.....	6.00	5.76	

United Cooperatives, Inc.**(Registered by Farmers Cooperative Exchange, Inc.)**

Unico Tobacco Bug Blaster

DDD.....	23.20	24.03	Passed
Parathion.....	5.70	5.94	
DDD.....	23.20	23.98	Passed
Parathion.....	5.70	6.00	
DDD.....	23.20	23.89	Passed
Parathion.....	5.70	6.17	
DDD.....	23.20	24.78	Passed
Parathion.....	5.70	5.75	
DDD.....	23.20	24.21	Passed
Parathion.....	5.70	6.47	

DDT**Acme Quality Paints, Inc.**

Acme 5% DDT Dust

DDT.....	5.00	5.14	Passed
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Acme Dura Dust No. 50

DDT.....	50.00	49.27	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Allied Drug Products Co.			
Allied Brand Xtra-Kill			
DDT.....	25.00	24.70	Passed
Armour Agricultural Chemical Co.			
Armagard 10% DDT Dust			
DDT.....	10.00	9.07	Deficient
Armagard DDT 2 lb. Emulsion Concentrate			
DDT.....	23.80	23.31	Passed
Boyle-Midway Inc.			
Black Flag 25% DDT Emulsion Concentrate			
DDT.....	25.00	21.57	Deficient
California Chemical Company-Ortho Div.			
Ortho DDT 5 Dust			
DDT.....	5.00	4.86	Passed
Ortho DDT 2 Emulsive XB			
DDT.....	23.00	24.60	Passed
Ortho Pest-B-Gon 50% DDT Wettable			
DDT.....	50.00	50.34	Passed
Cape Fear Chemicals, Inc.			
Tiger Brand 25% DDT Emulsion Concentrate			
DDT.....	25.00	25.40	Passed
Carbola Chemical Company, Inc.			
Carbola CCC 5% DDT Garden Dust			
DDT.....	5.00	5.78	Passed
Carolina Chemical Corp.			
5% DDT Dust			
DDT.....	5.00	4.93	Passed
DDT Emulsible Concentrate			
DDT.....	23.98	23.18	Passed
Carter Insecticide and Chemical Company, Inc.			
Carolina Brand 25% DDT Emulsion Concentrate			
DDT.....	25.00	24.97	Passed
do.....	25.00	25.06	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Coastal Chemical Corp.			
DDT Emulsion			
DDT.....	25.00	25.46	Passed
Daly-Herring Co.			
Dee Aitch 10% DDT Dust			
DDT.....	10.00	11.27	Passed
Dee Aitch 25% DDT Emulsifiable Spray			
DDT.....	25.00	25.41	Passed
do.....	25.00	24.69	Passed
Dee Aitch 50% Wettable Powder			
DDT.....	50.00	49.27	Passed
Farmers Cooperative Exchange, Inc.			
FCX 5% DDT Dust			
DDT.....	5.00	5.14	Passed
do.....	5.00	4.86	Passed
do.....	5.00	4.93	Passed
do.....	5.00	4.93	Passed
FCX 10% DDT Dust			
DDT.....	10.00	10.14	Passed
do.....	10.00	9.86	Passed
do.....	10.00	9.71	Passed
FCX DDT Emulsifiable Concentrate			
DDT.....	24.00	24.68	Passed
do.....	24.00	25.32	Passed
do.....	24.00	24.31	Passed
do.....	24.00	23.67	Passed
do.....	24.00	26.29	Passed
FCX 50% Wettable DDT Powder			
DDT.....	50.00	50.71	Passed
do.....	50.00	49.27	Passed
do.....	50.00	48.57	Passed
do.....	50.00	50.34	Passed
do.....	50.00	48.92	Passed
Graham Chemical Company, Inc.			
Red Star Bug Death DDT 25%			
DDT.....	25.00	24.28	Passed
do.....	25.00	24.86	Passed
GurMiCo Chemicals, Inc.			
GurMiCo 10% DDT Dust			
DDT.....	10.00	9.79	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
GurMiCo 25% DDT Emulsion			
DDT.....	25.00	24.87	Passed
Hopkins Agricultural Chemical Co.			
Hopkins 50% DDT Wettable Powder			
DDT.....	50.00	50.70	Passed
Maxwell Insecticide Company, Inc.			
Maxwell 5% DDT Dust			
DDT.....	5.00	4.93	Passed
do.....	5.00	5.07	Passed
Maxwell 10% DDT Dust			
DDT.....	10.00	9.86	Passed
Maxwell 25% DDT Emulsion Concentrate			
DDT.....	25.00	25.29	Passed
Maxwell 50% Wettable DDT			
DDT.....	50.00	50.34	Passed
McCormick and Company, Inc.			
Bee Brand Flea and Tick Killer			
DDT.....	10.00	10.43	Passed
do.....	10.00	10.43	Passed
do.....	10.00	10.21	Passed
Molony Fertilizer Co.			
Lightning Brand 10% DDT Dust			
DDT.....	10.00	9.36	Deficient
Niagara Chemical Div.			
Food Machinery and Chemical Corp.			
Niagara Niatox 25 Miscible			
DDT.....	25.00	25.28	Passed
Olin Mathieson Chemical Corp.			
Mathieson DDT 10% Dust			
DDT.....	10.00	9.71	Passed
Mathieson DDT 2 lb. Emulsifiable Liquid			
DDT.....	25.00	25.90	Passed
do.....	25.00	25.37	Passed
do.....	25.00	27.98	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Mathieson DDT 3 lb. Emulsifiable			
DDT.....	34.50	34.76	Passed
do.....	34.50	33.89	Passed
W. R. Peele Company, Inc.			
Pelco DDT Emulsifiable Concentrate			
DDT.....	23.76	24.32	Passed
do.....	23.76	23.19	Passed
do.....	23.76	23.84	Passed
Planters Chemical Corp.			
Planters 5% Truk Dust			
DDT.....	5.00	5.00	Not Registered
Planters 10% DDT Dust			
DDT.....	10.00	9.00	Deficient
do.....	10.00	10.00	Passed
Special Customer Mix for Wireworm			
Control on Sweet Potatoes			
DDT.....	20.00	20.14	Misbranded Not Registered
Planters DDT 2 lb. Emulsion Concentrate			
DDT.....	23.80	23.65	Passed
do.....	23.80	22.71	Passed
do.....	23.80	22.70	Passed
do.....	23.80	22.95	Passed
Rigo Manufacturing Co.			
Kill-Ko Special 25% DDT Concentrate			
DDT.....	25.00	26.21	Passed
Royster Chemical Co.			
Royster Chem-Pest "100" contains 10% DDT			
DDT.....	10.00	10.07	Passed
Royster Chem-Pest "20D" Spray Concentrate			
DDT.....	24.74	24.67	Passed
do.....	24.74	24.65	Passed
Smith-Douglass Company, Inc.			
Smith-Douglass 5% DDT Dust			
DDT.....	5.00	5.00	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Smith-Douglass 10% DDT Dust			
DDT.....	10.00	9.86	Passed
Smith-Douglass 2 lb. DDT Emulsion Concentrate			
DDT.....	23.80	22.81	Passed
do.....	23.80	23.61	Passed
do.....	23.80	22.70	Passed
do.....	23.80	23.45	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 5% DDT Dust			
DDT.....	5.00	5.29	Passed
do.....	5.00	5.14	Passed
do.....	5.00	5.07	Passed
do.....	5.00	4.86	Passed
SA-50 Brand 10% DDT Dust			
DDT.....	10.00	10.21	Passed
do.....	10.00	10.00	Passed
do.....	10.00	10.28	Passed
do.....	10.00	10.57	Passed
do.....	10.00	10.36	Passed
do.....	10.00	9.93	Passed
do.....	10.00	9.71	Passed
do.....	10.00	10.57	Passed
SA-50 Brand 50% DDT Spray			
DDT.....	50.00	49.63	Passed
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear 10% DDT Dust D 10 D			
DDT.....	10.00	9.86	Passed
Swift's 50% DDT (Wettable Powder)			
DDT.....	50.00	49.28	Passed
do.....	50.00	50.70	Passed
do.....	50.00	50.70	Passed
Thompson-Hayward Chemical Co. Philips Roxane Div.			
T-H Ded-Tox Anti-Resistant 50-10			
DDT.....	50.00	50.70	Passed
United Cooperatives, Inc. Registered by Farmers Cooperative Exchange, Inc.)			
Unico 20% DDT Granular			
DDT.....	20.00	21.00	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Woolfolk Chemical Works, Ltd.

Security Brand 10% DDT Dust

DDT.....	10.00	9.86	Passed
do.....	10.00	9.29	Deficient

DDT-ALLETHRIN-LETHANE 384**W. R. Peele Company, Inc.**

Pelco Aerosol Spray

DDT.....	2.00	1.95	Passed
Allethrin.....	0.125	Present	
Lethane 384.....	1.00	Present	

**John C. Stalfort and Sons, Inc.
(Registered by Stalfort Pressure-Pak, Inc.)**

Plee-zing Aerosol Insect Killer

DDT.....	2.00	2.04	Passed
Allethrin.....	0.125	Present	
Lethane 384.....	1.00	Present	

**DDT—ALLETHRIN—
LETHANE 384—N-OCTYL
BICYCLOHEPTENE DICARBOXIMIDE****Airosol Company, Inc.**

Airosol Jet Insect Killer

DDT.....	2.00	1.97	Passed
Allethrin.....	0.10	Present	
Lethane 384.....	1.50		
N-octyl bicycloheptene dicarboximide..	0.25		
Theoretical nitrogen.....	0.09	0.19	

**DDT-ALLETHRIN-LETHANE 384-
PIPERONYL BUTOXIDE****Boyle-Midway Inc.**

FlyDéd Push-Button Insect Killer

DDT.....	2.00	2.36	Passed
Allethrin.....	0.10	Present	
Lethane 384.....	1.00	Present	
Piperonyl butoxide.....	0.25	0.28	
DDT.....	2.00	2.10	Passed
Allethrin.....	0.10	Present	
Lethane 384.....	1.00	Present	
Piperonyl butoxide.....	0.25	0.24	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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**DDT—ALLETHRIN—METHOXYCHLOR—
N-OCTYL BICYCLOHEPTENE
DICARBOXIMIDE—THANITE**

Special Sales Products Co.

Target Insect Killer

DDT.....	3.00		Passed
Allethrin.....	0.10	Present	
Methoxychlor.....	1.00		
N-octyl bicycloheptene dicarboximide..	1.66		
Thanite.....	1.00		
Theoretical chlorine.....	1.80	1.99	
Theoretical nitrogen.....	0.13	0.12	

**DDT—ALLETHRIN—METHOXYCHLOR—
PIPERONYL BUTOXIDE**

Boyle-Midway Inc.

Black Flag Insect Bomb

DDT.....	1.00		Passed
Allethrin.....	0.22	Present	
Methoxychlor.....	1.00		
Piperonyl butoxide.....	0.25	0.25	
Theoretical chlorine.....	0.80	0.97	

**DDT—ALLETHRIN—
N-OCTYL BICYCLOHEPTENE
DICARBOXIMIDE—THANITE**

B. T. Babbitt, Inc.

Hep Push-Button Spray House and Garden Insect Killer

DDT.....	3.00	3.49	Passed
Allethrin.....	0.10	Present	
N-octyl bicycloheptene dicarboximide..	0.166		
Thanite.....	1.00		
Theoretical nitrogen.....	0.05	0.06	

DDT-BITOXIN

Woolfolk Chemical Works, Ltd.

Security Brand Bitoxin Cotton Spray

DDT.....	33.80	34.70	Passed
Bitoxin.....	8.50	10.48	

**DDT-CAPTAN-KARATHANE-
MALATHION**

Acme Quality Paints, Inc.

Acme Rose Dust

DDT.....	5.00		Passed
Captan.....	7.00		
Karathane.....	0.75		
Malathion.....	4.00	4.89	
Theoretical chlorine.....	4.97	5.18	
Theoretical nitrogen.....	0.40	0.46	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Sears, Roebuck and Co.			
Cross Country Rose Dust			
DDT	5.00		Passed
Captan	5.00		
Karathane	0.75		
Malathion	4.00	3.87	
Theoretical chlorine	4.27	4.63	
Theoretical nitrogen	0.29	0.33	

**Swift and Co.
Plant Food Div.**

End-O-Pest For Roses Dust Gun

DDT	5.00		Deficient
Captan	7.50		
Karathane	1.00		
Malathion	4.50	2.98	
Theoretical chlorine	5.15	5.22	
Theoretical nitrogen	0.35	0.40	

DDT-COPPER

California Chemical Company-Ortho Div.

Ortho DDT-Copper 5-7 Dust

DDT	5.00	4.89	Passed
Copper as metallic	7.00	7.18	

Carbola Chemical Company, Inc.

Carbola CCC 3-7 Insect Killer and Fungicide Dust in One

DDT	3.00	2.92	Passed
Copper as metallic	7.00	7.67	

Daly-Herring Co.

Dee Aitch Potato-Tomato Dust

DDT	5.00	4.89	Deficient
Copper as metallic	7.00	6.61	

Planters Chemical Corp.

Planters Dee-Kop Dust No. 5

DDT	5.00	5.14	Passed
Copper as metallic	7.00	6.90	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT-COPPER-SULFUR			
Armour Agricultural Chemical Co.			
Armagard Copper-Sulfur-DDT Dust for Peanuts			
DDT.....	5.00	4.89	Deficient
Copper as metallic.....	4.00	3.72	
Sulfur.....	75.00	75.30	
DDT.....	5.00	5.00	Passed
Copper as metallic.....	4.00	3.84	
Sulfur.....	75.00	74.82	
California Chemical Company-Ortho Div.			
Ortho 5-4-80 Peanut Dust			
DDT.....	5.00	4.86	Passed
Copper as metallic.....	4.00	4.23	
Sulfur.....	80.00	78.64	
Coastal Chemical Corp.			
Coastal 4% Metallic Copper 5% DDT-74% Sulphur Peanut Dust			
DDT.....	5.00	5.21	Passed
Copper as metallic.....	4.00	4.14	
Sulphur.....	74.00	72.59	
DDT.....	5.00	5.07	Passed
Copper as metallic.....	4.00	3.93	
Sulphur.....	74.00	74.09	
Daly-Herring Co.			
Dee Aitch 4% Metallic Copper 5% DDT-74% Sulphur Peanut Dust			
DDT.....	5.00	5.36	Passed
Copper as metallic.....	4.00	3.98	
Sulphur.....	74.00	74.62	
Farmers Cooperative Exchange, Inc.			
FCX Copper Sulphur Peanut Dust with 5% DDT			
DDT.....	5.00	5.21	Passed
Copper as metallic.....	4.00	3.89	
Sulphur.....	76.50	73.74	
GurMiCo Chemicals, Inc.			
GurMiCo 4% Copper 5% DDT 70% Sulphur			
DDT.....	5.00	4.86	Deficient
Copper as metallic.....	4.00	3.69	
Sulphur.....	70.00	68.10	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Howerton Gowen Chemicals, Inc.			
Gowen's Copper Sulfur 5% DDT Dust			
DDT.....	5.00	5.07	Passed
Copper as metallic.....	4.00	3.92	
Sulfur.....	80.00	79.75	
DDT.....	5.00	4.86	Passed
Copper as metallic.....	4.00	3.99	
Sulfur.....	80.00	79.49	
Meherrin Agricultural and Chemical Co.			
Red Kay Four-Five Peanut Dust			
DDT.....	5.00	5.29	Passed
Copper as metallic.....	4.00	3.92	
Sulphur.....	76.00	74.55	
DDT.....	5.00	5.21	Deficient
Copper as metallic.....	4.00	3.62	
Sulphur.....	76.00	73.64	
Niagara Chemical Div. Food Machinery and Chemical Corp.			
Niagara Peanut Dust 40-5-80			
DDT.....	5.00	5.07	Passed
Copper as metallic.....	4.00	3.88	
Sulphur.....	80.00	80.54	
Olin Mathieson Chemical Cop.			
Mathieson Copper-DDT-Sulphur Peanut Dust			
DDT.....	5.00	5.11	Deficient
Copper as metallic.....	4.00	3.64	
Sulphur.....	80.00	83.09	
Planters Chemical Corp.			
Planters Copper-Sulfur-DDT Dust for Peanuts			
DDT.....	5.00	4.96	Passed
Copper as metallic.....	4.00	3.84	
Sulfur.....	75.00	74.94	
Smith-Douglass Company, Inc.			
Smith-Douglass Copper-Sulphur-DDT Dust for Peanuts			
DDT.....	5.00	5.07	Passed
Copper as metallic.....	4.00	4.03	
Sulphur.....	75.00	74.67	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Stauffer Chemical Co.			
Stauffer Basic Copper-DDT-Sulfur 7.5-5-70 Dust			
DDT.....	5.00	5.04	Passed
Copper as metallic.....	4.00	3.91	
Sulfur.....	70.00	68.80	
Taylor Chemical Co.			
Copper-DDT-Sulphur Peanut Dust			
DDT.....	5.00	4.89	Passed
Copper as metallic.....	4.00	4.03	
Sulphur.....	80.00	80.15	
DDT-DDD			
Cape Fear Chemicals, Inc.			
Tiger Brand Super Tobacco Spray DDT-TDE Emulsion Concentrate			
DDT.....	11.90		Passed
DDD.....	23.80		
Theoretical chlorine.....	16.49	16.74	
DDT.....	11.90		Passed
DDD.....	23.80		
Theoretical chlorine.....	16.49	16.05	
Graham Chemical Company, Inc.			
Red Star Kwik Kill Tobacco Spray			
DDT.....	12.22		Passed
DDD.....	12.22		
Theoretical chlorine.....	11.52	11.87	
DDT.....	12.22		Passed
DDD.....	12.22		
Theoretical chlorine.....	11.52	11.57	
DDT.....	12.22		Passed
DDD.....	12.22		
Theoretical chlorine.....	11.52	11.70	
GurMiCo Chemicals, Inc.			
GurMiCo 5% DDT, 5% TDE Dust			
DDT.....	5.00		Deficient
DDD.....	5.00		
Theoretical chlorine.....	4.72	4.18	
GurMiCo 2 lb. TDE 1 lb. DDT Emulsion Tobacco Spray			
DDT.....	12.50		Passed
DDD.....	25.00		
Theoretical chlorine.....	17.33	17.27	
DDT.....	12.50		Passed
DDD.....	25.00		
Theoretical chlorine.....	17.33	17.57	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
GurMiCo 2 lb. TDE 1 lb. DDT Emulsion Tobacco Spray (Continued)			
DDT.....	12.50		Passed
DDD.....	25.00		
Theoretical chlorine.....	17.33	17.66	

**Swift and Co.
Agricultural Chemical Div.**

Swift's Gold Bear Super Guard 22E contains 2 lbs. DDT 2 lbs. TDE

DDT.....	21.70		Passed
DDD.....	21.70		
Theoretical chlorine.....	20.46	19.85	

DDT-DDD-PARATHION

Cape Fear Chemicals, Inc.

Tiger Brand Thripple Quick 1-5-5 Tobacco Dust

DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.82	
Theoretical chlorine.....	4.72	5.00	

Tiger Brand Death Blow Tobacco Spray Rhothane-DDT-Parathion Emulsifiable Concentrate

DDT.....	12.50		Deficient
DDD.....	24.00		
Parathion.....	6.00	5.78	
Theoretical chlorine.....	16.88	15.29	
DDT.....	12.50		Deficient
DDD.....	24.00		
Parathion.....	6.00	7.55	
Theoretical chlorine.....	16.88	14.43	

Daly-Herring Co.

Bacco 5-5-1 Dust

DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.76	
Theoretical chlorine.....	4.72	4.50	

Bacco Insect Spray

DDT.....	17.58		Passed
DDD.....	17.58		
Parathion.....	3.51	3.40	
Theoretical chlorine.....	16.58	17.56	

GurMiCo Chemicals, Inc.

GurMiCo Tobacco 5% TDE 5% DDT 1% Parathion Dust

DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.90	
Theoretical chlorine.....	4.72	4.42	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Insecticide Company, Inc.			
Maxwell 5-5-1 Tobacco Dust			
DDT.....	5.00		Passed
DDD.....	5.00		
Parathion.....	1.00	0.95	
Theoretical chlorine.....	4.72	4.52	
DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.81	
Theoretical chlorine.....	4.72	4.71	
DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.88	
Theoretical chlorine.....	4.72	4.57	
W. R. Peele Company, Inc.			
Pelco 5-5-1 Tobacco Dust DDT-TDE-Parathion			
DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.94	
Theoretical chlorine.....	4.72	4.35	
Planters Chemical Corp.			
Planters 3 Way Tobacco Dust			
DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.95	
Theoretical chlorine.....	4.72	4.00	
Planters 3 Way Spray			
DDT.....	12.50		Passed
DDD.....	24.50		
Parathion.....	6.00	5.72	
Theoretical chlorine.....	17.11	16.87	
DDT.....	12.50		Deficient
DDD.....	24.50		
Parathion.....	6.00	5.62	
Theoretical chlorine.....	17.11	16.87	
DDT.....	12.50		Passed
DDD.....	24.50		
Parathion.....	6.00	5.85	
Theoretical chlorine.....	17.11	16.32	
Royster Chemical Co.			
Royster "551" Ready-to-use Dust			
DDT.....	5.00		Passed
DDD.....	5.00		
Parathion.....	1.00	1.02	
Theoretical chlorine.....	4.72	4.50	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Smith-Douglass Company, Inc.			
Smith-Douglass Tobacco Dust			
DDT.....	5.00		Passed
DDD.....	5.00		
Parathion.....	1.00	0.95	
Theoretical chlorine.....	4.72	5.07	
DDT-ENDRIN			
Armour Agricultural Chemical Co.			
Armagard Endrin-DDT Emulsible Concentrate			
DDT.....	12.20		Passed
Endrin.....	11.90		
Theoretical chlorine.....	12.25	12.68	
California Chemical Company-Ortho Div.			
Ortho Endrin-DDT 1-1 Emulsive			
DDT.....	12.20		Passed
Endrin.....	12.20		
Theoretical chlorine.....	12.91	13.02	
Coastal Chemical Corp.			
Worm and Beetle Spray Emulsible Concentrate			
DDT.....	16.50		Passed
Endrin.....	6.50		
Theoretical chlorine.....	11.88	13.53	
DDT.....	16.50		Passed
Endrin.....	6.50		
Theoretical chlorine.....	11.88	12.45	
Daly-Herring Co.			
Bacco Beetle Dust			
DDT.....	5.00		Passed
Endrin.....	1.00		
Theoretical chlorine.....	3.06	3.15	
Bacco Beetle Spray Emulsifiable Concentrate			
DDT.....	16.50		Passed
Endrin.....	6.50		
Theoretical chlorine.....	11.88	12.10	
Maxwell Insecticide Company, Inc.			
Maxwell Tobacco Spray No. 2			
DDT.....	16.50		Passed
Endrin.....	6.50		
Theoretical chlorine.....	11.88	12.43	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Tobacco Spray No. 2 (Continued)			
DDT	16.50		Passed
Endrin	6.50		
Theoretical chlorine	11.88	13.20	
Olin Mathieson Chemical Corp.			
Mathieson End-Dt Emulsifiable			
DDT	12.10		Passed
Endrin	12.10		
Theoretical chlorine	12.81	13.50	
DDT	12.10		Passed
Endrin	12.10		
Theoretical chlorine	12.81	13.17	
W. R. Peele Company, Inc.			
Pelco Endrin and DDT Emulsion			
DDT	11.99		Passed
Endrin	12.20		
Theoretical chlorine	12.81	12.84	
Pelco 55 Tobacco Spray			
DDT	16.50		Passed
Endrin	6.50		
Theoretical chlorine	11.88	12.08	
Planters Chemical Corp.			
Planters Endrin-DDT Emulsible Concentrate			
DDT	12.20		Passed
Endrin	11.90		
Theoretical chlorine	12.75	12.31	
Royster Chemical Co.			
Royster Tobacco "102" Dust			
DDT	10.00		Passed
Endrin	2.00		
Theoretical chlorine	6.12	6.47	
DDT	10.00		Passed
Endrin	2.00		
Theoretical chlorine	6.12	5.83	
Royster Chem-Pest "208"			
DDT	23.23		Passed
Endrin	9.58		
Theoretical chlorine	16.97	16.96	
DDT	23.23		Passed
Endrin	9.58		
Theoretical chlorine	16.97	16.45	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Smith-Douglass Company, Inc.

Smith-Douglass Endrin-DDT Emulsion Concentrate

DDT.....	12.20		Passed
Endrin.....	11.90		
Theoretical chlorine.....	12.25	11.97	

Swift and Co.**Agricultural Chemical Div.**

Swift's Gold Bear DDT-Endrin DE 2-8 E

DDT.....	22.44		Passed
Endrin.....	8.98		
Theoretical chlorine.....	16.24	16.10	

Taylor Chemical Co.

Superkill Endrin-DDT 1-1 Emulsion

DDT.....	12.20		Passed
Endrin.....	12.20		
Theoretical chlorine.....	12.91	13.70	

United Cooperatives, Inc.**(Registered by Farmers Cooperative Exchange, Inc.)**

Unico "513" Tobacco and Cotton Spray

DDT.....	15.80		Passed
Endrin.....	6.40		
Theoretical chlorine.....	11.47	11.83	

**DDT-ENDRIN-METHYL
PARATHION****Southern Agricultural Chemicals, Inc.**

Royal Brand Endrin Methyl Parathion DDT Spray for Cotton-Tobacco

DDT.....	22.40		Passed
Endrin.....	9.00		
Methyl parathion.....	11.20	11.32	
Theoretical chlorine.....	16.23	16.55	

DDT-FERBAM**Coastal Chemical Corp.**

Coastal 15% Fermate 3% DDT Dust

DDT.....	3.00	3.07	Passed
Ferbam.....	11.40	12.47	

Daly-Herring Co.

Dee Aitch 15% Fermate 3% DDT Dust

DDT.....	3.00	2.85	Deficient
Ferbam.....	11.40	10.62	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Farmers Cooperative Exchange, Inc.			
FCX Ferbam No. 10—5% DDT Dust			
DDT.....	5.00	5.18	Passed
Ferbam.....	11.40	11.16	
DDT.....	5.00	5.18	Passed
Ferbam.....	11.40	10.91	
FCX 15% Fermate—5% DDT Dust			
DDT.....	5.00	4.89	Passed
Ferbam.....	11.40	10.86	
DDT.....	5.00	4.96	Passed
Ferbam.....	11.40	11.89	
Graham Chemical Company, Inc.			
Graham's Red Star "Fermate"-DDT Dust			
DDT.....	3.00	3.04	Passed
Ferbam.....	11.40	11.09	
Howerton Gowen Chemicals, Inc.			
Gowen's 15% Fermate Dust with 3% DDT			
DDT.....	3.00	3.22	Passed
Ferbam.....	11.40	11.69	
Maxwell Insecticide Company, Inc.			
Maxwell Ferbam-DDT Dust			
DDT.....	3.00	3.44	Passed
Ferbam.....	11.40	11.89	
Niagara Chemical Div. Food Machinery and Chemical Corp.			
Niagara Ferbam 11.4 DDT 5 Dust			
DDT.....	5.00	4.86	Passed
Ferbam.....	11.40	11.48	
Olin Mathieson Chemical Corp.			
Mathieson Ferbam-DDT Dust			
DDT.....	3.00	3.26	Passed
Ferbam.....	11.40	10.86	
DDT.....	3.00	3.04	Passed
Ferbam.....	11.40	11.09	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions	
W. R. Peele Company, Inc.				
Pelco 15% Fermate-3% DDT Dust				
DDT.....	3.00	2.93	Passed	
Ferbam.....	11.40	11.38		
DDT.....	3.00	3.37	Passed	
Ferbam.....	11.40	12.26		
Smith-Douglass Company, Inc.				
Smith-Douglass Fermate-DDT Plant Bed Dust				
DDT.....	3.00	3.00	Passed	
Ferbam.....	11.40	10.86		
DDT.....	3.00	2.89	Passed	
Ferbam.....	11.40	11.43		
Smith Seed and Feed Co.				
Old Belt Brand Tobacco Blue Mold Dust				
DDT.....	3.00	2.89	Deficient	
Ferbam.....	11.40	10.40		
Southern Agricultural Chemicals, Inc.				
Royal Brand Ferbam DDT				
DDT.....	3.00	1.50	Deficient	
Ferbam.....	11.40	11.68		
DDT-FERBAM-PYRETHRINS- SEVIN-SULPHUR-TETRODIFON				
O. M. Scott and Sons Co.				
Haze Dry-Applied Protection from Insects and Disease				
DDT.....	5.00		Deficient	
Ferbam.....	7.50	4.83		
Pyrethrins.....	0.10	0.13		
Sevin.....	5.00			
Sulphur.....	28.00	28.79		
Tetradifon.....	1.00			
Theoretical chlorine.....	2.90	3.30		
Theoretical nitrogen.....	1.11	1.28		
DDT-FERBAM-SULPHUR				
Farmers Cooperative Exchange, Inc.				
FCX Rose Dust				
DDT.....	5.00	5.07	Deficient	
Ferbam.....	7.60	7.85		
Sulphur.....	75.00	71.10		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT-LETHANE 384			
Boyle-Midway Inc.			
Black Flag 5% DDT Insect Spray			
DDT.....	5.00	5.09	Passed
Lethane 384.....	1.00	Present	
DDT.....	5.00	5.23	Passed
Lethane 384.....	1.00	Present	
DDT.....	5.00	5.40	Passed
Lethane 384.....	1.00	Present	
DDT.....	5.00	5.38	Passed
Lethane 384.....	1.00	Present	
DDT-MALATHION			
Rigo Manufacturing Co.			
Kill-Ko Pecan and Fruit Tree Spray Concentrate			
DDT.....	11.30	11.91	Passed
Malathion.....	14.50	13.55	
DDT-MALATHION-PYRETHRINS			
O. M. Scott and Sons Co.			
Scotts Mosquito and Fly Control Boon			
DDT.....	5.00	4.86	Passed
Malathion.....	4.50	4.40	
Pyrethrins.....	0.10	0.11	
DDT-MANEB			
Coastal Chemical Corp.			
Dithane M-22 Plus DDT			
DDT.....	3.00	2.85	Deficient
Maneb.....	1.40	1.19	
Daly-Herring Co.			
Dee Aitch Dithane M-22 Plus DDT Dust			
DDT.....	3.00	2.85	Deficient
Maneb.....	1.40	0.91	
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Manzate Dust with 5% DDT			
DDT.....	5.00	5.29	Passed
Maneb.....	5.00	5.11	
DDT.....	5.00	5.21	Passed
Maneb.....	5.00	5.22	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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DDT-METHOXYCHLOR-PIPERONYL BUTOXIDE-PYRETHRINS-ROTENONE

Boyle-Midway Inc.

Black Flag Patio and Picnic Spray

DDT.....	1.00		Not Registered
Methoxychlor.....	1.00		
Piperonyl butoxide.....	0.25	0.25	
Pyrethrins.....	0.20	0.22	
Rotenone.....	0.10	Present	
Theoretical chlorine.....	0.81	0.89	

DDT-METHYL PARATHION

California Chemical Company-Ortho Div.

Ortho Methyl Parathion DDT 2.5-10 Dust

DDT.....	10.00	9.86	Passed
Methyl parathion.....	2.50	2.38	
DDT.....	10.00	9.86	Passed
Methyl parathion.....	2.50	2.78	

Daly-Herring Co.

Cot'n Spray Emulsifiable Concentrate

DDT.....	22.80	23.93	Deficient
Methyl parathion.....	11.40	10.24	
DDT.....	22.80	23.32	Passed
Methyl parathion.....	11.40	11.04	

W. R. Peele Company, Inc.

Pelco 3-1.5 Spray

DDT.....	32.70	33.15	Passed
Methyl parathion.....	16.40	16.29	

Southern Agricultural Chemicals, Inc.

Royal Brand 2½-5 MP Cotton Dust

DDT.....	5.00	5.07	Deficient
Methyl parathion.....	2.50	1.17	

Royal Brand 2½-10 MP Cotton Dust

DDT.....	10.00	9.80	Passed
Methyl parathion.....	2.50	2.41	

Royal Brand Methyl Parathion-DDT 15-30 Spray

DDT.....	32.00	34.48	Passed
Methyl parathion.....	16.00	15.26	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Swift and Co.			
Agricultural Chemical Div.			
Swift's Gold Bear YmD 2.5-7D 2.5% Methyl Parathion 7% DDT Dust			
DDT.....	7.00	7.30	Passed
Methyl parathion.....	2.50	2.47	
Swift's Gold Bear 10% DDT 2.5% Methyl Parathion Dust DYM10-2.5D			
DDT.....	10.00	10.22	Passed
Methyl parathion.....	2.50	2.80	
Taylor Chemical Co.			
Superkill 2½-P-7 Dust			
DDT.....	7.00	7.20	Passed
Methyl parathion.....	2.50	2.61	
Superkill 2½-P-10 Dust			
DDT.....	10.00	10.29	Passed
Methyl parathion.....	2.50	2.50	
Woolfolk Chemical Works, Ltd.			
Security Brand 2½% Methyl Parathion 10% DDT Cotton Dust			
DDT.....	10.00	10.50	Deficient
Methyl parathion.....	2.50	2.15	
DDT-METHYL TRITHION			
Carolina Chemicals, Inc.			
Flight Brand DDT-Methyl Trithion 7-3 Dust			
DDT.....	7.00	4.17	Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	3.84		
Olin Mathieson Chemical Corp.			
Mathieson Super X Super Cotton Dust			
DDT.....	7.00	4.06	Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	3.84		
Stauffer Chemical Co.			
Stauffer Methyl Trithion-DDT 3-7 Dust			
DDT.....	7.00	3.96	Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	3.84		
DDT.....	7.00	4.00	Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	3.84		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Methyl Trithion-DDT 3-10			
DDT.....	10.00		Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	5.34	5.34	
Stauffer DDT-Methyl Trithion .2-2E			
DDT.....	22.10		Passed
Methyl trithion.....	22.10		
Theoretical chlorine.....	13.53	14.42	
Stauffer Methyl Trithion with DDT .1-2E			
DDT.....	23.30		Passed
Methyl trithion.....	11.60		
Theoretical chlorine.....	12.95	13.47	
DDT.....	23.30		Passed
Methyl trithion.....	11.60		
Theoretical chlorine.....	12.95	13.52	
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear 3% Methyl Trithion 10% DDT Dust Trim D3-10D			
DDT.....	10.00		Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	5.34	5.58	
Taylor Chemical Co.			
Taylor Megathon 3-7 Dust			
DDT.....	7.00		Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	3.84	3.89	
Taylor Megathon 2			
DDT.....	22.10		Passed
Methyl trithion.....	22.10		
Theoretical chlorine.....	13.53	14.13	
Woolfolk Chemical Works, Ltd.			
Security Brand Tri-Me 2½-7 Cotton Dust			
DDT.....	7.00		Passed
Methyl trithion.....	2.50		
Theoretical chlorine.....	3.78	4.06	
DDT-PARATHION-SULFUR			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 1½% Parathion Dust with 5% DDT			
DDT.....	5.00	5.29	Passed
Parathion.....	1.50	1.48	
Sulfur.....	25.00	28.73	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SA-60 Brand 1½% Parathion Dust with 5% DDT Continued			
DDT.....	5.00	5.32	Passed
Parathion.....	1.50	1.47	
Sulfur.....	25.00	26.58	
DDT.....	5.00	5.32	Passed
Parathion.....	1.50	1.61	
Sulfur.....	25.00	25.83	
DDT.....	5.00	5.14	Passed
Parathion.....	1.50	1.43	
Sulfur.....	25.00	25.47	
DDT.....	5.00	5.14	Passed
Parathion.....	1.50	1.52	
Sulfur.....	25.00	27.45	
DDT.....	5.00	4.93	Passed
Parathion.....	1.50	1.62	
Sulfur.....	25.00	26.41	

DDT-PIPERONYL BUTOXIDE- PYRETHRINS

A-Penn Oil Co.

Kilzum A-Penn Aerosol Insect Spray

DDT.....	2.00	2.08	Passed
Piperonyl butoxide.....	0.50	0.45	
Pyrethrins.....	0.20	0.19	

Kilzum 2 in 1 Insect Spray

DDT.....	5.00	4.86	Passed
Piperonyl butoxide.....	0.052	0.04	
Pyrethrins.....	0.021	0.03	
DDT.....	5.00	5.63	Passed
Piperonyl butoxide.....	0.052	Present	
Pyrethrins.....	0.021	0.03	

Gulf Oil Corp.

Gulf House Garden Insect Killer

DDT.....	2.00	1.98	Passed
Piperonyl butoxide.....	1.00	0.88	
Pyrethrins.....	0.25	0.26	

DDT-ROTENONE-SULFUR-ZIRAM

Acme Quality Paints, Inc.

Acme All Round Spray

DDT.....	5.00	4.82	Passed
Rotenone.....	0.75	0.71	
Sulfur.....	20.00	26.68	
Ziram.....	15.00	14.35	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT-STROBANE			
Olin Mathieson Chemical Corp.			
Mathieson Strobane-DDT 4-2 Emulsifiable			
DDT.....	19.70		
Strobane.....	39.50		
Theoretical chlorine.....	35.22	34.21	Passed
DDT.....	19.90		Passed
Strobane.....	39.80		
Theoretical chlorine.....	35.92	35.78	
DDT-SULFUR			
Armour Agricultural Chemical Co.			
Armagard 5% DDT-Sulfur Dust			
DDT.....	5.00	5.00	Passed
Sulfur.....	75.00	74.70	
Planters Chemical Corp.			
Planters 5% DDT-Sulfur Dust			
DDT.....	5.00	4.86	Passed
Sulfur.....	75.00	75.30	
DDT-ZINEB			
Farmers Cooperative Exchange, Inc.			
FCX 6.5% Zineb-5% DDT Dust			
DDT.....	5.00	5.04	Passed
Zineb.....	6.50	6.85	
DDT.....	5.00	4.89	Passed
Zineb.....	6.50	6.19	
W. R. Grace and Co. Davison Chemical Div.			
Naco 6% Dithane Z-78 and 10% DDT Dust			
DDT.....	10.00	10.00	Passed
Zineb.....	3.90	4.20	
Maxwell Insecticide Company, Inc.			
Maxwell Dithane-DDT Dust			
DDT.....	3.00	3.00	Passed
Zineb.....	6.50	6.61	
DDT.....	3.00	3.15	Passed
Zineb.....	6.50	7.99	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Pearson and Co.			
Pearson's Tomato Dust			
DDT.....	3.00	3.30	Passed
Zineb.....	3.90	5.27	
Smith-Douglass Company, Inc.			
Smith-Douglass Zineb Dust with DDT			
DDT.....	5.00	4.86	Deficient
Zineb.....	3.90	3.44	
Taylor Chemical Co.			
Superkill Zineb-DDT Tobacco Bed Dust			
DDT.....	3.00	3.44	Passed
Zineb.....	6.50	7.19	
DDVP			
Agricultural Specialties			
Starbar Div.			
(Now: Thuron Industries, Inc.)			
Starbar Strike Instant Fly Syrup			
DDVP.....	0.20	0.05	Deficient
Barker, Moore and Mein Company, Inc.			
Barker's Fly Bar			
DDVP.....	0.25	0.05	Deficient
E. Joseph Cossman and Co.			
(Registered by Alco Chemical Co.)			
Cossman's Fly Cake			
DDVP.....	0.25	0.03	Deficient
do.....	0.25	0.03	Deficient
Dixi Chemical Co.			
Di-Sect Fly Bait			
DDVP.....	0.50	0.54	Passed
Fly Cord, Inc.			
Flyco Brand wet or dry Fly Bait			
DDVP.....	0.50	0.61	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Insecticide Company, Inc.			
Maxwell Vapona 2 Emulsible Concentrate			
DDVP.....	23.70	22.62	Passed
do.....	23.70	23.50	Passed
Ralston Purina Co.			
Purina Fly Bait (Sugar Base)			
DDVP.....	0.50	0.10	Passed
Real-Kill Products Division of Cook Chemical Co.			
Real-Kill Insect Bomb			
DDVP.....	0.50	0.54	Passed
do.....	0.50	0.50	Passed
Rigo Manufacturing Co.			
Kill-Ko Fly and Mosquito Spray with DDVP			
DDVP.....	0.50	0.61	Passed
Kill-Ko Sugar Base Fly Bait			
DDVP.....	0.50	0.49	Passed
Thompson-Hayward Chemical Co. Philips Roxane Div.			
De-Pester Nox-Fly Bait			
DDVP.....	0.50	1.51	Excessive Active Ingredient
De-Pester Vapona Dairy Spray			
DDVP.....	1.00	1.09	Passed
DDVP-CIODRIN-PYRETHRINS			
Thuron Industries, Inc. Starbar Div.			
Starbar Horse Fly Spray			
DDVP.....	0.50		Passed
Ciodrin.....	2.00		
Pyrethrins.....	0.05	0.08	
Theoretical phosphorus.....	0.23	0.30	
DDVP-DIELDRIN			
Boyle-Midway Inc.			
Black Flag Ant and Roach Killer			
DDVP.....	0.20	0.22	Passed
Dieldrin.....	0.30		
Theoretical chlorine.....	0.23	0.16	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDVP-DIPTEREX			
Hot Shot Quality Products, Inc.			
Hot Shot Fly Cake			
DDVP.....	0.30		Passed
Dipterex.....	1.00		
Theoretical phosphorus.....	0.16	0.12	
Ralston Purina Co.			
Purina Fly Bait (Dry Killer)			
DDVP.....	0.25		Passed
Dipterex.....	0.25		
Theoretical phosphorus.....	0.07	0.11	
DDVP-PIPERONYL BUTOXIDE- PYRETHRINS			
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Py-Vona Stock Fly Spray			
DDVP.....	0.20	0.24	Passed
Piperonyl butoxide.....	0.25	0.29	
Pyrethrins.....	0.03	0.04	
DDVP.....	0.20	0.20	Passed
Piperonyl butoxide.....	0.25	0.22	
Pyrethrins.....	0.03	0.05	
DIAZINON			
Geigy Agricultural Chemicals Division of Geigy Chemical Corp.			
Geigy Diazinon 10 G			
Diazinon.....	10.00	11.06	Passed
Geigy Diazinon 14 G			
Diazinon.....	14.30	14.22	Passed
Geigy Diazinon AG 500 Insecticide			
Diazinon.....	48.00	51.13	Passed
do.....	48.00	48.19	Passed
Ralston Purina Co.			
Purina Diazinon Spray			
Diazinon.....	25.00	24.58	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DIAZINON— N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE—PIPERONYL BUTOXIDE—PYRETHRINS			
Ralston Purina Co.			
Purina Roach Bomb			
Diazinon	0.50		Passed
N-octyl bicycloheptene dicarboximide . .	0.17		
Piperonyl butoxide	0.10	0.10	
Pyrethrins	0.05	0.08	
Theoretical nitrogen	0.06	0.08	
Taylor Chemical Co.			
Superkill New Roach and Ant Killer			
Diazinon	0.50		Passed
N-octyl bicycloheptene dicarboximide . .	0.166		
Piperonyl butoxide	0.10	0.07	
Pyrethrins	0.05	0.05	
Theoretical nitrogen	0.06	0.02	
Ralston Purina Co.			
Purina Roach Bomb			
Diazinon	0.50		Passed
N-octyl bicycloheptene dicarboximide . .	0.17		
Piperonyl butoxide	0.10	0.09	
Pyrethrins	0.05	0.06	
Theoretical nitrogen	0.06	0.07	
Diazinon	0.50		Passed
N-octyl bicycloheptene dicarboximide . .	0.17		
Piperonyl butoxide	0.10	0.08	
Pyrethrins	0.05	0.05	
Theoretical nitrogen	0.06	0.07	
DIAZINON-PIPERONYL BUTOXIDE-PYRETHRINS			
Maxwell Insecticide Company, Inc.			
Maxwell Household Insect Spray			
Diazinon	0.50	0.54	Passed
Piperonyl butoxide	0.261	0.32	
Pyrethrins	0.052	0.06	
Paramount Chemical Company, Inc.			
Paramount Residual Insecticide			
Diazinon	0.50	0.75	Not Registered
Piperonyl butoxide	0.075	0.07	
Pyrethrins	0.03	0.05	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Rexall Drug and Chemical Co.			
Rexall Ant and Roach Killer			
Diazinon.....	0.50	0.60	Passed
Piperonyl butoxide.....	0.075	0.09	
Pyrethrins.....	0.03	0.05	
The Tanglefoot Co.			
Tanglefoot Residual Insect Spray			
Diazinon.....	0.50	0.62	Passed
Piperonyl butoxide.....	0.261	0.37	
Pyrethrins.....	0.052	0.08	
DIBROM			
California Chemical Company-Ortho Div.			
Ortho Dibrom Fly Spray			
Dibrom.....	1.00	0.95	Passed
California Spray-Chemical Corp. (Now: California Chemical Company-Ortho Div.)			
Ortho Dibrom 4 Dust			
Dibrom.....	4.00	0.89	Deficient
DIELDRIN			
Swift and Co. Agricultural Chemical Div.			
Swift's 5% Dieldrin Granules			
Dieldrin.....	5.00	6.97	Excessive Active Ingredient
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico 2½ Dieldrin Granular			
Dieldrin.....	2.50	3.67	Excessive Active Ingredient
DIELDRIN-COPPER OXALATE			
Borderland Products, Inc.			
Red Shield Double Protection			
Dieldrin.....	5.00	4.83	Passed
Copper oxalate.....	4.00	4.01	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DIELDRIN-DDVP			
Boyle-Midway Inc.			
Black Flag Liquid Ant and Roach Killer			
Dieldrin.....	0.30		Passed
DDVP.....	0.20		
Theoretical chlorine.....	0.23	0.27	
Dieldrin.....	0.30		Passed
DDVP.....	0.20		
Theoretical chlorine.....	0.23	0.24	
Dieldrin.....	0.30		Passed
DDVP.....	0.20		
Theoretical chlorine.....	0.23	0.31	
Black Flag Guaranteed Bug Killer with DDVP			
Dieldrin.....	0.30		Passed
DDVP.....	0.20		
Theoretical chlorine.....	0.23	0.25	
Dixi Chemical Co.			
The All-American Bug Killer			
Dieldrin.....	0.30		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.33	0.54	
Real Kill Products			
Division of Cook Chemical Co.			
Real Kill Bug Killer			
Dieldrin.....	0.50		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.44	0.48	
S. C. Johnson and Son, Inc.			
Raid Liquid Ant and Roach Killer			
Dieldrin.....	0.50		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.44	0.44	
Rigo Manufacturing Co.			
Kill-Ko Insect Bomb			
Dieldrin.....	0.30		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.33	0.20	
Dieldrin.....	0.30		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.33	0.17	
Dieldrin.....	0.30		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.33	0.15	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DIELDRIN-DDVP-MALATHION			
Woolfolk Chemical Works, Ltd.			
Security Brand Roach Kill			
Dieldrin.....	0.25		Passed
DDVP.....	0.50		
Malathion.....	2.50		
Theoretical chlorine.....	0.30	0.24	
Theoretical phosphorus.....	0.30	0.36	
Dieldrin.....	0.25		Passed
DDVP.....	0.50		
Malathion.....	2.50		
Theoretical chlorine.....	0.30	0.19	
Theoretical phosphorus.....	0.30	0.32	
DIELDRIN-METALDEHYDE			
California Chemical Company-Ortho Div.			
Ortho De Luxe Bug-Geta Pellets			
Dieldrin.....	0.50	0.50	Passed
Metaldehyde.....	2.75	2.99	
Dieldrin.....	1.00	1.25	Passed
Metaldehyde.....	2.75	2.77	
Rigo Manufacturing Co.			
Kill-Ko Bug Bait			
Dieldrin.....	1.00	1.03	Passed
Metaldehyde.....	2.00	2.05	
DIELDRIN-SULFUR			
Taylor Chemical Co.			
Superkill Dieldrin-Sulphur Peach Spray			
Dieldrin.....	3.85	4.10	Passed
Sulfur.....	86.76	85.40	
DIELDRIN-ZINEB			
W. R. Grace and Co.			
Davison Chemical Div.			
Naco Dieldrin-Dithane 1½-8 Dust			
Dieldrin.....	1.50	1.73	Passed
Zineb.....	6.00	6.22	
ENDRIN			
Armour Agricultural Chemical Co.			
Armagard 1½% Endrin Dust			
Endrin.....	1.50	1.65	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Armagard Endrin Emulsible Concentrate			
Endrin.....	19.50	19.05	Passed
Daly-Herring Co.			
Dee Aitch Endrin Emulsible Concentrate			
Endrin.....	18.90	19.71	Passed
Farmers Cooperative Exchange, Inc.			
FCX 1½% Endrin Dust			
Endrin.....	1.50	1.87	Passed
FCX Endrin Concentrate (Emulsifiable)			
Endrin.....	18.90	19.75	Passed
Olin Mathieson Chemical Corp.			
Mathieson Endrin 1.5% Dust			
Endrin.....	1.50	1.72	Passed
Mathieson Endrin 1.6 lb. Emulsifiable			
Endrin.....	19.40	20.29	Passed
do.....	19.80	20.52	Passed
Planters Chemical Corp.			
Planters Endrin Emulsible Concentrate			
Endrin.....	19.50	18.82	Passed
FERBAM			
Carolina Chemical Corp.			
Fermate Dust			
Ferbam.....	11.40	10.86	Passed
do.....	11.40	11.12	Passed
Coastal Chemical Corp.			
15% Fermate Dust			
Ferbam.....	11.40	11.68	Passed
Daly-Herring Co.			
Dee Aitch 15% Fermate Dust			
Ferbam.....	11.40	8.91	Deficient
Farmers Cooperative Exchange, Inc.			
FCX Fermate Dust			
Ferbam.....	11.40	10.86	Passed
do.....	11.40	10.86	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Graham Chemical Company, Inc.			
Graham's Red Star Fermate Dust			
Ferbam.....	11.40	10.86	Passed
do.....	11.40	10.40	Deficient
Maxwell Insecticide Company, Inc.			
Maxwell 15% Fermate Dust			
Ferbam.....	11.40	11.48	Passed
do.....	11.40	11.48	Passed
Olin Mathieson Chemical Corp.			
Mathieson Ferbam Dust			
Ferbam.....	11.40	11.78	Passed
W. R. Peele Company, Inc.			
Pelco 15% Fermate			
Ferbam.....	11.40	11.55	Passed
Planters Chemical Corp.			
Planters Fermate Dust			
Ferbam.....	11.40	11.32	Passed
Royster Chemical Co.			
Royster "150"—15% Fermate Dust			
Ferbam.....	11.40	12.30	Passed
Smith-Douglass Company, Inc.			
Smith-Douglass Fermate Dust			
Ferbam.....	11.40	10.86	Passed
Taylor Chemical Co.			
Superkill 11.4% Fermate Dust			
Ferbam.....	11.40	10.44	Deficient
FLUORINE COMPOUNDS			
SODIUM FLUORIDE			
Fairfax Biological Laboratory			
Roach Doom			
Sodium Fluoride.....	90.00	94.62	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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SODIUM FLUORIDE-PIPERONYL BUTOXIDE-PYRETHRINS

Dixi Chemical Co.

Di-Sect Roach and Waterbug Powder

Sodium fluoride.....	58.00	57.60	Passed
Piperonyl butoxide.....	1.50	1.25	
Pyrethrins.....	0.15	0.16	
Sodium fluoride.....	58.00	57.12	Passed
Piperonyl butoxide.....	1.50	1.22	
Pyrethrins.....	0.15	0.14	

Rigo Manufacturing Co.

Kill-Ko Roach Powder

Sodium fluoride.....	58.00	56.16	Passed
Piperonyl butoxide.....	1.50	1.22	
Pyrethrins.....	0.15	0.22	
Sodium fluoride.....	58.00	57.26	Passed
Piperonyl butoxide.....	1.50	1.30	
Pyrethrins.....	0.15	0.18	
Sodium fluoride.....	58.00	55.64	Passed
Piperonyl butoxide.....	1.50	1.18	
Pyrethrins.....	0.15	0.18	

S. C. Wells and Company, Inc. (Now: Brown Manufacturing Co.)

Rough on Bugs

Sodium fluoride.....	58.00	59.62	Passed
Piperonyl butoxide.....	1.50	1.68	
Pyrethrins.....	0.15	0.16	
Sodium fluoride.....	58.00	60.06	Passed
Piperonyl butoxide.....	1.50	1.01	
Pyrethrins.....	0.15	0.20	

SODIUM FLUORIDE-PYRETHRINS

Getem Manufacturing Company, Inc.

Getem Roach Powder

Sodium fluoride.....	78.40	79.11	Passed
Pyrethrins.....	0.18	0.18	

Master Products Co.

Roach Buster

Sodium fluoride.....	76.00	72.20	Passed
Pyrethrins.....	0.10	0.12	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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SODIUM FLUORIDE-SODIUM FLUOSILICATE-PYRETHRINS

Pearson and Co.

Pearson's Roach Poison

Sodium fluoride.....	59.00		Passed
Sodium fluosilicate.....	1.00		
Pyrethrins.....	0.18	0.22	
Theoretical fluorine.....	27.30	28.44	
Sodium fluoride.....	59.00		Passed
Sodium fluosilicate.....	1.00		
Pyrethrins.....	0.18	0.19	
Theoretical fluorine.....	27.30	26.40	
Sodium fluoride.....	59.00		Passed
Sodium fluosilicate.....	1.00		
Pyrethrins.....	0.18	0.18	
Theoretical fluorine.....	27.30	27.17	

Wonder Products Co.

Wonder Roach Powder

Sodium fluoride.....	47.50		Passed
Sodium fluosilicate.....	1.00		
Pyrethrins.....	0.25	0.30	
Theoretical fluorine.....	22.09	21.33	

SODIUM FLUOSILICATE- CHLORDANE-DIAZINON

Shepard's Chemical Works

Shepard's Roach Killer

Sodium fluosilicate.....	59.00	61.99	Deficient
Chlordane.....	1.00	0.70	
Diazinon.....	0.50	0.67	

SODIUM FLUOSILICATE- LETHANE 60-ROTENONE-SULFUR

Carbola Chemical Company, Inc.

Carbola CCC Flea and Louse Killer

Sodium fluosilicate.....	10.00	8.38	Deficient
Lethane 60.....	0.75	Present	
Rotenone.....	0.40	0.35	
Sulfur.....	15.00	14.35	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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SODIUM FLUOSILICATE- ROTENONE-SULFUR

Carbola Chemical Company, Inc.

Carbola CCC Flea and Louse Killer

Sodium fluosilicate.....	10.00	7.24	Deficient
Rotenone.....	0.50	0.48	
Sulfur.....	15.00	14.28	

Carbola Louse Killer

Sodium fluosilicate.....	10.00	8.20	Deficient
Rotenone.....	0.50	0.44	
Sulfur.....	15.00	15.71	

FUMARIN

Colonial Products, Inc.

Colonial—52 Kills Rats and Mice

Fumarin.....	0.025	0.025	Not Registered
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Dixi Chemical Co.

Banerin—58

Fumarin.....	0.025	0.025	Passed
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Insect Control Sales and Service

Inscro Rat and Mouse Bait with Fumarin

Fumarin.....	0.025	0.024	Passed
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Kent Exterminating Co.

Kent Rat and Mouse Bait with Fumarin

Fumarin.....	0.025	0.026	Passed
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Pestaway Co.

"d-Rat" Rat and Mice Killer

Fumarin.....	0.025	0.029	Not Registered
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Rigo Manufacturing Co.

Kill-Ko Guaranteed Rat Bait

Fumarin.....	0.025	0.027	Passed
do.....	0.025	0.025	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
S. C. Wells and Co. (Now: Brown Manufacturing Co.)			
Rough on Rats			
Fumarin.....	0.025	0.027	Passed
do.....	0.025	0.025	Passed
HEPTACHLOR			
Boyle-Midway Inc.			
New Black Flag Termite Killer			
Heptachlor (Technical).....	43.60	45.16	Passed
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear Heptachlor A 2.5 G			
Heptachlor (Technical).....	3.47	3.52	Passed
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Heptachlor Transplanter Solution..			
Heptachlor (Technical).....	32.30	31.56	Passed
MALATHION			
Acme Quality Paints, Inc.			
Acme 50% Malathion Spray			
Malathion.....	50.00	54.80	Passed
Armour Agricultural Chemical Co.			
Armagard 4% Malathion Dust			
Malathion.....	4.00	3.59	Deficient
Cape Fear Chemicals, Inc.			
Tiger Brand 4% Malathion Dust			
Malathion.....	4.00	3.20	Deficient
William Cooper and Nephews, Inc.			
Kilathon 50% Malathion Emulsifiable Concentrate			
Malathion.....	50.00	52.53	Passed
Daly-Herring Co.			
Dee Aitch 4% Malathion Dust			
Malathion.....	4.00	4.28	Passed
do.....	4.00	3.69	Deficient
do.....	4.00	3.01	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Farmers Cooperative Exchange, Inc.			
FCX 4% Malathion Dust			
Malathion.....	4.00	3.63	Deficient
do.....	4.00	3.68	Deficient
do.....	4.00	3.94	Passed
do.....	4.00	4.00	Passed
FCX 5% Malathion Dust			
Malathion.....	5.00	4.60	Deficient
do.....	5.00	4.02	Deficient
FCX Malathion Emulsifiable Concentrate			
Malathion.....	55.20	58.83	Passed
do.....	55.20	58.03	Passed
Florida Agricultural Supply Co. Division Wilson and Toomer Fertilizer Co.			
Fasco Malathion 25-WP			
Malathion.....	25.00	18.30	Deficient
do.....	25.00	22.38	Deficient
GurMiCo Chemicals, Inc.			
GurMiCo Malathion 4% Dust			
Malathion.....	4.00	3.72	Deficient
GurMiCo Premium Grade 57% Malathion Emulsifiable Concentrate			
Malathion.....	57.00	57.85	Passed
Maxwell Insecticide Company, Inc.			
Maxwell 4% Malathion Dust			
Malathion.....	4.00	3.81	Passed
do.....	4.00	3.04	Deficient
do.....	4.00	3.70	Deficient
do.....	4.00	3.71	Deficient
Olin Mathieson Chemical Corp.			
Mathieson Malathion 4% Dust			
Malathion.....	4.00	3.80	Passed
do.....	4.00	4.64	Passed
Mathieson Malathion 5 lb. Emulsifiable Liquid			
Malathion.....	57.00	58.09	Passed
do.....	57.00	60.30	Passed
do.....	57.00	56.48	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters Chemical Corp.			
Planters 4% Malathion Dust			
Malathion.....	4.00	3.83	Passed
do.....	4.00	3.59	Deficient
Planters 50% Malathion Emulsifiable Concentrate			
Malathion.....	52.70	53.98	Not Registered
Ralston Purina Co.			
Purina Malathion Spray			
Malathion.....	57.00	55.86	Passed
Rigo Manufacturing Co.			
Kill-Ko Premium Malathion 5% Dust			
Malathion.....	5.00	4.85	Passed
do.....	5.00	4.79	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 4% Malathion Dust			
Malathion.....	4.00	3.85	Passed
SA-50 Brand 5% Malathion Dust			
Malathion.....	5.00	6.05	Passed
Swift and Co. Agricultural Chemical Div.			
Swift's 5% Malathion Dust			
Malathion.....	5.00	3.91	Deficient
do.....	5.00	2.42	Deficient
Swift and Co. Plant Food Div.			
End-O-Pest 50% Malathion Spray			
Malathion.....	50.00	52.42	Passed
Taylor Chemical Co.			
Superkill 4% Malathion Dust			
Malathion.....	4.00	3.81	Passed
do.....	4.00	3.80	Passed
do.....	4.00	3.52	Deficient
Thompson-Hayward Chemical Co.			
De-Pester Malathion Dust No. 5			
Malathion.....	5.00	5.07	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Malathion Grain Protectant Dust			
Malathion.....	1.00	0.97	Passed
Unico Malathion Dust			
Malathion.....	5.00	4.37	Deficient
Unico Malathion Spray Powder			
Malathion.....	25.00	25.65	Passed
do.....	25.00	20.38	Deficient

Woolfolk Chemical Works, Ltd.

Security Brand 5% Malathion Dust			
Malathion.....	5.00	5.36	Passed
do.....	5.00	4.61	Deficient
do.....	5.00	4.29	Deficient
do.....	5.00	3.89	Deficient
do.....	5.00	4.33	Deficient

**MALATHION-CAPTAN-
METHOXYCHLOR**

Acme Quality Paints, Inc.

Acme Fruit Tree Spray			
Malathion.....	6.00	7.38	Passed
Captan.....	12.00		
Methoxychlor.....	12.00		
Theoretical chlorine.....	7.88	7.88	

MALATHION-DDVP

Anchor Serum Co.

Anchor Dry Fly Bait			
Malathion.....	2.00		Not
DDVP.....	0.10		Registered
Theoretical phosphorus.....	0.20	0.24	

California Chemical Company-Ortho Div.

Ortho Fly Killer Dry Bait			
Malathion.....	1.00		Passed
DDVP.....	0.10		
Theoretical phosphorus.....	0.11	0.13	

California Spray-Chemical Corp.
(Now: California Chemical Company-Ortho Div.)

Ortho Fly Killer Dry Bait			
Malathion.....	1.00		Passed
DDVP.....	0.50		
Theoretical phosphorus.....	0.15	0.10	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Dixi Chemical Co.			
Di-Sect Malathion Fly Bait with DDVP			
Malathion.....	1.00		Passed
DDVP.....	0.50		
Theoretical phosphorus.....	0.15	0.15	
MALATHION-DDVP-DIELDRIN			
Woolfolk Chemical Works, Ltd.			
Security Brand Roach Kill			
Malathion.....	2.50		Passed
DDVP.....	0.50		
Dieldrin.....	0.25	0.31	
Theoretical phosphorus.....	0.34	0.32	
MALATHION-DIAZINON			
Gaston Johnston Corp.			
Johnston's No-Roach			
Malathion.....	0.70		Passed
Diazinon.....	0.30	0.33	
Theoretical phosphorus.....	0.10	0.12	
Malathion.....	0.70		Passed
Diazinon.....	0.30	0.37	
Theoretical phosphorus.....	0.10	0.11	
MALATHION-METHOXYCHLOR			
Farmers Cooperative Exchange, Inc.			
FCX Bean Dust			
Malathion.....	3.00	2.86	Passed
Methoxychlor.....	3.00	3.12	
Malathion.....	3.00	2.62	Deficient
Methoxychlor.....	3.00	3.31	
Malathion.....	3.00	2.76	Deficient
Methoxychlor.....	3.00	3.10	
Greever's			
Greever's Dairy Cattle Fly Powder			
Malathion.....	5.00	4.65	Deficient
Methoxychlor.....	5.00	5.32	
Thompson-Hayward Chemical Co.			
De-Pester Dairy Cattle Dust			
Malathion.....	4.00	2.93	Deficient
Methoxychlor.....	5.00	9.85	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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**Thuron Industries, Inc.
Starbar Div.**

Starbar M and M Dairy, Livestock and Poultry Dust

Malathion.....	4.00	3.81	Passed
Methoxychlor.....	5.00	4.96	
Malathion.....	4.00	4.54	Passed
Methoxychlor.....	5.00	5.25	
Malathion.....	4.00	3.98	Passed
Methoxychlor.....	5.00	5.18	

**United Cooperatives, Inc.
(Registered by Farmers Cooperative Exchange, Inc.)**

Unico 1* Estate Insecticide

Malathion.....	16.00	13.68	Deficient
Methoxychlor.....	16.00	17.61	

**MALATHION-METHOXYCHLOR-
PIPERONYL BUTOXIDE-
PYRETHRINS-2,2'THIOBIS
(4-CHLORO-6-METHYL PHENOL)**

The R. T. French Co.

Shoo Flea by French's

Malathion.....	0.50	0.42	Passed
Methoxychlor.....	0.50		
Piperonyl butoxide.....	0.48	0.43	
Pyrethrins.....	0.06	0.08	
2,2'Thiobis(4-chloro-6-methyl phenol).....	0.10		
Theoretical chlorine.....	0.19	0.19	
Malathion.....	0.50	0.52	Passed
Methoxychlor.....	0.50		
Piperonyl butoxide.....	0.48	0.47	
Pyrethrins.....	0.06	0.08	
2,2'Thiobis(4-chloro-6-methyl phenol).....	0.10		
Theoretical chlorine.....	0.19	0.18	
Malathion.....	0.50	0.60	Passed
Methoxychlor.....	0.50		
Piperonyl butoxide.....	0.48	0.43	
Pyrethrins.....	0.06	0.06	
2,2'Thiobis(4-chloro-6-methyl phenol).....	0.10		
Theoretical chlorine.....	0.19	0.19	

MALATHION-PINE OIL-ROTENONE

Ralston Purina Co.

Purina Back Scratch Concentrate

Malathion.....	28.50	27.99	Passed
Pine oil.....	8.50	Present	
Rotenone.....	0.71	Present	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
MALATHION-PIPERONYL BUTOXIDE-PYRETHRINS			
Allied Drug Products Co.			
Allied Brand Xtra-Kill Insect Bomb			
Malathion.....	2.00	2.44	Passed
Piperonyl butoxide.....	0.125	0.16	
Pyrethrins.....	0.05	0.07	
Malathion.....	2.00	2.14	Passed
Piperonyl butoxide.....	0.125	0.12	
Pyrethrins.....	0.05	0.08	
MALATHION-PIPERONYL BUTOXIDE-PYRETHRINS- STROBANE-THANITE			
California Spray-Chemical Corp.			
(Now: California Chemical Company-Ortho Div.)			
Ortho Household Insect Bomb			
Malathion.....	1.00	0.88	Passed
Piperonyl butoxide.....	0.20	0.18	
Pyrethrins.....	0.025	0.03	
Strobane.....	1.00	1.03	Present
Thanite.....	1.00		
MALATHION-SULFUR			
Olin Mathieson Chemical Corp.			
Mathieson Malathion-Sulphur Peanut Dust			
Malathion.....	4.00	3.60	Deficient
Sulphur.....	75.00	74.25	
Malathion.....	4.00	3.48	Deficient
Sulphur.....	75.00	75.65	
United Cooperatives, Inc.			
(Registered by Farmers Cooperative Exchange, Inc.)			
Unico Dixie Malathion Peach Spray			
Malathion.....	9.70	7.14	Deficient
Sulfur.....	56.20	53.55	
MANEB			
Carolina Chemical Corp.			
Dithane Maneb Tobacco Dust 2% Dithane M-22			
Maneb.....	1.40	1.38	Passed
Daly-Herring Co.			
Dee Aitch Maneb Dust			
Maneb.....	4.00	3.93	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Farmers Cooperative Exchange, Inc.			
FCX 1.4% Maneb Dust			
Maneb.....	1.40	0.88	Deficient
FCX Cucumber and Melon Dust			
Maneb.....	5.00	3.88	Deficient
Graham Chemical Company, Inc.			
Graham's Red Star 2% "Dithane" M 22 Dust			
Maneb.....	1.40	1.76	Passed
Maxwell Insecticide Company, Inc.			
Maxwell Maneb Dust			
Maneb.....	1.40	1.69	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Manzate Dust			
Maneb.....	5.60	5.32	Passed
do.....	5.60	5.83	Passed
do.....	5.60	6.12	Passed
do.....	5.60	4.20	Deficient
do.....	5.60	5.27	Deficient
do.....	5.60	4.58	Deficient

METHOXYCHLOR**E. I. du Pont de Nemours and Co.**

Du Pont Marlate 50 50% Technical Methoxychlor Wettable Powder

Methoxychlor.....	50.00	50.00	Passed
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Farmers Cooperative Exchange, Inc.

FCX 5% Methoxychlor Dust

Methoxychlor.....	5.00	5.64	Passed
do.....	5.00	5.18	Passed

Rigo Manufacturing Co.

Kill-Ko Methoxychlor Dairy Kattle Dust

Methoxychlor.....	10.00	10.94	Passed
do.....	10.00	11.00	Passed

**Thompson-Hayward Chemical Co.
Philips Roxane Div.**

De-Pester Methoxychlor E-2

Methoxychlor.....	25.00	26.81	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
METHOXYCHLOR—ALLETHRIN— GLYODIN—LETHANE 384— N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE— PIPERONYL BUTOXIDE—PYRETHRINS			
Thompson-Hayward Chemical Co. Philips Roxane Div.			
T-H House and Garden Bomb			
Methoxychlor.....	2.00	1.98	Not Registered
Allethrin.....	0.25	Present	
Glyodin.....	0.50		
Lethane 384.....	0.50		
N-octyl bicycloheptene dicarboximide..	0.42		
Piperonyl butoxide.....	0.075	0.11	
Pyrethrins.....	0.03	0.25	
Theoretical nitrogen.....	0.09	0.18	
METHOXYCHLOR-COPPER			
Olin Mathieson Chemical Corp.			
Mathieson Melon and Cucumber Dust 123			
Methoxychlor.....	3.50	3.91	Passed
Copper as metallic.....	5.00	4.96	
METHOXYCHLOR—DICHLONE— KARATHANE— N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE— PYRETHRINS—ROTENONE			
Acme Quality Paints, Inc.			
Acme Rose and Flower Spray			
Methoxychlor.....	0.30		Passed
Dichlone.....	0.12		
Karathane.....	0.125		
N-octyl bicycloheptene dicarboximide..	0.30		
Pyrethrins.....	0.02	0.02	
Rotenone.....	0.10	Present	
Theoretical chlorine.....	0.13	0.13	
Theoretical nitrogen.....	0.02	0.02	
METHOXYCHLOR-FERBAM- ROTENONE-SULFUR			
E. I. du Pont de Nemours and Co.			
Du Pont Floral Dust			
Methoxychlor.....	5.00	6.00	Passed
Ferbam.....	7.60	7.86	
Rotenone.....	0.75	Present	
Sulfur.....	26.20	27.79	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
METHOXYCHLOR-FERBAM- ROTENONE-ZIRAM			
Acme Quality Paints, Inc.			
Acme All Round Dust			
Methoxychlor.....	5.00	4.82	Passed
Ferbam.....	4.00		
Rotenone.....	0.75	0.78	
Ziram.....	4.00		
Theoretical carbon disulfide.....	4.18	3.98	
METHOXYCHLOR-FERBAM-SULFUR			
The Sherwin-Williams Co.			
Sherwin-Williams Fruit Tree Spray			
Methoxychlor.....	12.50	13.66	Not Registered
Ferbam.....	15.20	14.46	
Sulfur.....	24.20	27.49	
METHOXYCHLOR-LETHANE 384			
Douglas Chemical Co.			
Douglass "88" Improved Farm and Bin Spray			
Methoxychlor.....	3.75	3.97	Passed
Lethane 384.....	1.60	Present	
METHOXYCHLOR-PIPERONYL BUTOXIDE-PYRETHRINS			
William Cooper and Nephews, Inc.			
Cooper Fly Spray for Horses and Show Stock			
Methoxychlor.....	2.00	2.19	Passed
Piperonyl butoxide.....	1.07	0.96	
Pyrethrins.....	0.13	0.12	
Gulf Oil Corp.			
Quick Action Gulf Spray			
Methoxychlor.....	0.75	1.02	Passed
Piperonyl butoxide.....	0.12	0.13	
Pyrethrins.....	0.10	0.10	
Methoxychlor.....	0.75	0.72	Passed
Piperonyl butoxide.....	0.12	0.11	
Pyrethrins.....	0.10	0.12	
Methoxychlor.....	0.75	0.78	Passed
Piperonyl butoxide.....	0.12	0.12	
Pyrethrins.....	0.10	0.12	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Hot Shot Quality Products, Inc.			
Hot Shot House and Garden Bug Killer			
Methoxychlor.....	2.00	2.25	Passed
Piperonyl butoxide.....	0.30	0.30	
Pyrethrins.....	0.20	0.24	
Penn-Champ Oil Corp. (Now: Penn-Champ Laboratories)			
Kilzum House and Garden Aerosol Insect Killer			
Methoxychlor.....	2.00	2.24	Passed
Piperonyl butoxide.....	1.00	1.02	
Pyrethrins.....	0.20	0.24	
Methoxychlor.....	2.00	2.31	Passed
Piperonyl butoxide.....	1.00	0.96	
Pyrethrins.....	0.20	0.23	
Rigo Manufacturing Co.			
Kill-Ko Insect Bomb for House and Garden			
Methoxychlor.....	2.00	2.16	Passed
Piperonyl butoxide.....	0.50	0.50	
Pyrethrins.....	0.10	0.10	
METHOXYCHLOR-PIPERONYL BUTOXIDE-PYRETHRINS-THANITE			
Red and White Distributors, Inc.			
Red and White (Flying Insect Bomb)			
Methoxychlor.....	3.00	2.92	Not Registered
Piperonyl butoxide.....	0.50	0.45	
Pyrethrins.....	0.10	0.14	
Thanite.....	2.00	2.90	
METHOXYCHLOR-ROTENONE			
Pratts Laboratories, Inc. (Registered by C. J. Martin and Sons)			
Pratts Lice Killer			
Methoxychlor.....	0.50	0.75	Deficient
Rotenone.....	1.00	0.14	
METHOXYCHLOR-ROTENONE-ZINEB			
The Sherwin-Williams Co.			
Sherwin-Williams Vegetable and Tomato Dust			
Methoxychlor.....	5.00	5.39	Deficient
Rotenone.....	0.75	Present	
Zineb.....	5.20	4.63	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Garden Dust			
Methoxychlor.....	5.00	5.00	Deficient
Rotenone.....	1.00	Present	
Zineb.....	5.00	4.58	

METHYL PARATHION**California Chemical Company-Ortho Div.**

Ortho Methyl Parathion 2.5 Dust

Methyl parathion.....	2.50	2.81	Passed
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Carolina Chemical Corp.

Methyl Parathion Emulsible Concentrate 2 lbs. per Gallon

Methyl parathion.....	24.90	22.96	Deficient
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Southern Agricultural Chemicals, Inc.

Royal Brand Methyl Parathion 2 Emulsifiable

Methyl parathion.....	23.50	19.06	Deficient
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NEMAGON**Woolfolk Chemical Works, Ltd.**

Security Brand 10% Granulated Nemagon

Nemagon.....	10.00	9.57	Passed
do.....	10.00	9.78	Passed

NICOTINE**Black Leaf Products Co.**

Black Leaf 40

Nicotine alkaloid.....	40.00	39.22	Passed
do.....	40.00	41.00	Passed
do.....	40.00	39.27	Passed

United Cooperatives, Inc.

(Registered by Farmers Cooperative Exchange, Inc.)

Unico Nicotine Sulphate Solution

Nicotine.....	40.00	44.00	Passed
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PARADICHLOROBENZENE**Boyle-Midway Inc.**

Ridz Outdoor Dog Repellent

Paradichlorobenzene.....	1.00	1.57	Passed
do.....	1.00	1.44	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Enoz Corp.			
Enoz Roach Away			
Paradichlorobenzene.....	100.00	100.00	Not Registered
PARATHION			
California Chemical Company-Ortho Div.			
Ortho Parathion 4 Granular			
Parathion.....	4.00	3.84	Passed
Olin Mathieson Chemical Corp.			
Mathieson Parathion 1% Dust			
Parathion.....	1.00	0.46	Deficient
Planters Chemical Corp.			
Planters Wireworm Granules			
Parathion.....	4.00	4.12	Passed
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico 4% Parathion Granular			
Parathion.....	4.00	3.98	Passed
Unico Parathion Wettable Powder			
Parathion.....	15.00	15.46	Passed
PARATHION-SULFUR			
Taylor Chemical Co.			
Superkill Peach Spray No. 2			
Parathion.....	3.70	3.55	Passed
Sulfur.....	75.00	76.12	
Parathion.....	3.70	3.62	Passed
Sulfur.....	75.00	76.87	
PARATHION-SULFUR-ZINC			
Taylor Chemical Co.			
Superkill Peach Spray No. 6			
Parathion.....	2.73	2.21	Deficient
Sulfur.....	54.50	55.98	
Zinc as metallic.....	14.54	14.29	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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PENTACHLOROPHENOL**W. R. Peele Company, Inc.**

Pelco 5% Pentachlorophenol Preservative

Pentachlorophenol.....	5.00	4.89	Passed
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Ralston Purina Co.

Purina Insect Oil

Pentachlorophenol.....	4.75	5.33	Passed
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PERTHANE**S. C. Johnson and Son, Inc.**

Raid Moth Proofer

Perthane.....	5.00	5.28	Passed
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Mike, Inc.

101 Brand Cabbage Dust No. 6

Perthane.....	6.00	6.18	Passed
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PERTHANE-CHLOROTHION-DDVP**Starbar Div.****Agricultural Specialties****(Now: Thuron Industries, Inc.)**

Starbar Malrin 576 Sugar Bait

Perthane.....	2.00		Passed
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Chlorothion.....	1.00		
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DDVP.....	0.20		
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Theoretical chlorine.....	0.64	0.77	
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Perthane.....	2.00		Passed
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Chlorothion.....	1.00		
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DDVP.....	0.20		
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Theoretical chlorine.....	0.64	0.75	
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PERTHANE-DDVP**Starbar, Inc.****(Division Thuron Industries, Inc.)**

Starbar Horse and Barn Spray

Perthane.....	37.00		Passed
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DDVP.....	5.00		
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Theoretical chlorine.....	10.14	10.83	
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
PERTHANE-PIPERONYL BUTOXIDE- PYRETHRINS			
Ralston Purina Co.			
Purina Home Aero-Spray			
Perthane	2.00	2.09	Passed
Piperonyl butoxide	0.80	0.77	
Pyrethrins	0.20	0.20	
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Household Aerosol			
Perthane	3.00	3.43	Passed
Piperonyl butoxide	0.60	0.58	
Pyrethrins	0.24	0.26	
PHENOLS			
Allied Drug Products Co.			
Allied Brand Dip and Disinfectant			
Coal tar phenols	9.00	13.76	Excessive Active Ingredient
Neutral coal tar oils	57.00	60.00	
GurMiCo Chemicals, Inc.			
GurMiCo Disinfecting Dip			
Phenol	13.50	8.10	Deficient
PHOSDRIN			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 2% Phosdrin Insecticide Dust			
Phosdrin	2.00	1.50	Deficient
do	2.00	1.40	Deficient
do	2.00	2.33	Passed
PHOSPHORUS			
Master Products Co.			
Fireball Rat Paste			
Phosphorus	2.00	2.62	Passed
Nip-Co Manufacturing Company, Inc.			
Rat Nip			
Phosphorus	1.25	1.35	Passed
do	1.25	1.56	Passed
do	1.25	1.68	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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John Opitz, Inc.

J-O Paste

Phosphorus.....	1.38	1.56	Passed
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PIVAL

All Star Mills, Inc.

All Star Rat-Mice Killer Bait

Pival.....	0.025	0.026	Passed
do.....	0.025	0.025	Passed

**Chemical and Equipment Sales and Service Co.
(CessCo, Inc.)**

Bait-Tox Ready-Mixed Rat Bait

Pival.....	0.025	0.024	Passed
do.....	0.025	0.031	Passed
do.....	0.025	0.024	Passed

Farmers Cooperative Exchange, Inc.

FCX Rat and Mouse Ready-To-Use Pellets

Pival.....	0.025	0.024	Passed
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FCX Ready-To-Use Trackdown Rat and Mouse Bait

Pival.....	0.025	0.025	Passed
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McCraw Exterminating and Pest Control

Mepco Professional Type Rat and Mouse Killer

Pival.....	0.025	0.024	Not Registered
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Chas. Pfizer and Company, Inc.

Tri-Ban Kills Mice

Pival.....	0.025	0.026	Passed
do.....	0.025	0.025	Passed

PIVALYN

Ralston Purina Co.

Purina Rat-Kill

Pivalyn.....	0.0275	0.0250	Passed
do.....	0.0275	0.0278	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
PYRETHRINS			
McCormick and Company, Inc.			
Bee Brand Insect Powder			
Pyrethrins.....	0.75	0.78	Passed
do.....	0.75	0.81	Passed
PYRETHRINS—ALLETHRIN— N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE— PIPERONYL BUTOXIDE			
The Sanfax Corp.			
Super Sanfax Insecticide Concentrate			
Pyrethrins.....	0.145	0.18	Misbranded
Allethrin.....	0.03	Present	
N-octyl bicycloheptene dicarboximide..	0.54	0.56	
Piperonyl butoxide.....	0.46	0.41	
PYRETHRINS-ALLETHRIN- PIPERONYL BUTOXIDE			
Aire-Master Corp.			
Aire-Master Non-Toxic Insecticide			
Pyrethrins.....	—	0.14	Misbranded
Allethrin.....	—	Present	Not
Piperonyl butoxide.....	—	0.25	Registered
PYRETHRINS-GLYODIN			
Real Kill Products			
Division of Cook Chemical Co.			
Real-Kill House and Garden Bomb			
Pyrethrins.....	0.23	0.21	Passed
Glyodin.....	0.204	0.23	
PYRETHRINS-LETHANE 384- PIPERONYL BUTOXIDE			
William Cooper and Nephews, Inc.			
Cooper Dairy and Stock Spray			
Pyrethrins.....	0.015	0.02	Passed
Lethane 384.....	1.00	Present	
Piperonyl butoxide.....	0.12	0.10	
Gulf Oil Corp.			
Gulf Livestock Spray			
Pyrethrins.....	0.05	0.06	Passed
Lethane 384.....	0.60	Present	
Piperonyl butoxide.....	0.25	0.25	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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PYRETHRINS-PINE OIL**Dr. LeGear, Inc.****Dr. LeGear Beef and Dairy Cattle Spray**

Pyrethrins.....	0.03	0.05	Passed
Pine oil.....	2.00	Present	

**PYRETHRINS-PIPERONYL
BUTOXIDE****The Great Atlantic and Pacific Tea Company, Inc.****Bright Sail Aerosol Insect Killer**

Pyrethrins.....	0.30	0.30	Passed
Piperonyl butoxide.....	0.60	0.56	
Pyrethrins.....	0.30	0.30	Passed
Piperonyl butoxide.....	0.60	0.84	
Pyrethrins.....	0.30	0.35	Passed
Piperonyl butoxide.....	0.60	0.68	

Barker, Moore and Mein Company, Inc.**Barker's Cattle Fly Spray**

Pyrethrins.....	0.05	0.07	Passed
Piperonyl butoxide.....	0.10	0.15	

Big Star Foods**(Registered by Colonial Stores, Inc.)****3-D Non-Toxic Insect Killer**

Pyrethrins.....	0.30	0.31	Passed
Piperonyl butoxide.....	0.60	0.61	

Boyle-Midway Inc.**Black Flag House and Garden Insect Spray**

Pyrethrins.....	0.25	0.24	Not Registered
Piperonyl butoxide.....	0.80	0.97	
Pyrethrins.....	0.25	0.23	Not Registered
Piperonyl butoxide.....	0.80	0.54	

California Chemical Company-Ortho Div.**Ortho Dairy and Stock Fly Spray**

Pyrethrins.....	0.03	0.04	Passed
Piperonyl butoxide.....	0.25	0.23	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Chambers-Godfrey Manufacturing Co.			
Chambers' Anti-Skipper Compound			
Pyrethrins.....	0.10	0.14	Passed
Piperonyl butoxide.....	1.00	0.58	
Colonial Stores, Inc. (Registered by Stalfort Pressure-Pak, Inc.)			
New 3-D Non-Toxic Insect Killer			
Pyrethrins.....	0.30	0.28	Passed
Piperonyl butoxide.....	0.60	0.53	
Pyrethrins.....	0.30	0.29	Passed
Piperonyl butoxide.....	0.60	0.54	
The Dill Company, Inc.			
Knock Out House and Garden Insect Killer Spray			
Pyrethrins.....	0.15	0.16	Passed
Piperonyl butoxide.....	0.54	0.57	
Dill Spray Insect Killer			
Pyrethrins.....	0.20	0.26	Passed
Piperonyl butoxide.....	1.00	1.31	
Douglas Chemical Co.			
Douglas Special Mill Spray			
Pyrethrins.....	0.14	0.17	Passed
Piperonyl butoxide.....	1.39	1.18	
Gulf Oil Corp.			
Gulf Livestock Spray			
Pyrethrins.....	0.07	0.09	Passed
Piperonyl butoxide.....	0.19	0.22	
Hot Shot Quality Products, Inc.			
Hot Shot Fly and Mosquito Insect Killer			
Pyrethrins.....	0.10	0.12	Passed
Piperonyl butoxide.....	0.15	0.12	
Pyrethrins.....	0.25	0.28	Passed
Piperonyl butoxide.....	0.375	0.34	
Pyrethrins.....	0.25	0.28	Passed
Piperonyl butoxide.....	0.375	0.41	
Pyrethrins.....	0.25	0.24	Passed
Piperonyl butoxide.....	0.375	0.33	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
S. C. Johnson and Son, Inc.			
Raid Insect Spray			
Pyrethrins.....	0.075	0.09	Passed
Piperonyl butoxide.....	0.15	0.11	
Raid Pressurized Flying Insect Killer			
Pyrethrins.....	0.20	0.18	Passed
Piperonyl butoxide.....	1.00	0.62	
Maxwell Insecticide Company, Inc.			
Maxwell P-B Insect Spray			
Pyrethrins.....	0.15	0.14	Passed
Piperonyl butoxide.....	0.80	0.74	
Pyrethrins.....	0.15	0.20	Passed
Piperonyl butoxide.....	0.80	0.68	
Pet Chemicals, Inc.			
Holiday Aerogel Powder Dries up Roaches			
Pyrethrins.....	0.35	0.33	Deficient Not Registered
Piperonyl butoxide.....	3.50	1.99	
Shulton Home Products Div. (Now: Shulton, Inc.)			
Bridgeport Slug-A-Bug			
Pyrethrins.....	0.25	0.29	Passed
Piperonyl butoxide.....	0.625	0.65	
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Livestock and Barn Fogging Spray			
Pyrethrins.....	0.10	0.10	Passed
Piperonyl butoxide.....	1.00	0.92	
RONNEL			
Acme Quality Paints, Inc.			
Acme R. N. L. Roach Blaster			
Ronnel.....	2.00	2.19	Passed
The Dow Chemical Co.			
Dow Korlan 24E Insecticide			
Ronnel.....	24.00	26.25	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Thompson-Hayward Chemical Co. Philips Roxane Div.			
De-Pester K-N Concentrate E-2			
Ronnel.....	24.00	40.74	Excessive Active Ingredient
Ralston Purina Co.			
Purina Spray and Dip			
Ronnel.....	24.00	24.86	Passed
RONNEL-PIPERONYL BUTOXIDE-PYRETHRINS			
Pet Chemicals, Inc.			
Holiday Aerosol Fumigant			
Ronnel.....	—	2.29	Misbranded
Piperonyl butoxide.....	—	2.96	
Pyrethrins.....	—	0.40	
ROTENONE			
Cape Fear Chemicals, Inc.			
Tiger Brand 1% Rotenone Dust			
Rotenone.....	1.00	0.93	Passed
Carbola Chemical Company, Inc.			
Carbola CCC Garden Rote			
Rotenone.....	0.75	0.71	Passed
Farmers Cooperative Exchange, Inc.			
FCX Rotox-"100"			
Rotenone.....	1.00	0.96	Passed
do.....	1.00	0.94	Passed
GurMiCo Chemicals, Inc.			
GurMiCo Rotenone 1% Dust			
Rotenone.....	1.00	1.04	Passed
McCormick and Company, Inc.			
Bee Brand Flea Killer			
Rotenone.....	1.00	0.93	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Miller Chemical and Fertilizer Corp.			
Miller V-75 A Dust containing Rotenone 0.75%			
Rotenone.....	0.75	0.60	Passed
W. R. Peele Company, Inc.			
Pelco 1% Rotenone Dust			
Rotenone.....	1.00	0.93	Passed
Planters Chemical Corp.			
Planters 1% Rotenone Dust			
Rotenone.....	1.00	0.91	Passed
Taylor Chemical Co.			
Superkill 1% Rotenone Dust for Beans			
Rotenone.....	1.00	0.93	Passed
Thompson-Hayward Chemical Co. Philips Roxane Div.			
T-H Cattle Grub Dust			
Rotenone.....	1.67	1.56	Passed
Wonder Products Co.			
Wonder Flea Powder			
Rotenone.....	1.00	0.82	Passed
ROTENONE-COPPER			
Carbola Chemical Company, Inc.			
Carbola CCC Copper Rote			
Rotenone.....	1.00	0.81	Passed
Copper as metallic.....	6.00	6.28	
ROTENONE-DELPHENE			
Whitmire Research Laboratories, Inc.			
Whitmire's Ticks-Off Personal Insect Repellent			
Rotenone.....	0.10	Present	Passed
Delphene.....	2.00	2.06	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
ROTENONE-DICHLOROPHENE- HEXACHLOROPHENE			
The Hilo Co.			
Division of Natcon Chemical Company, Inc.			
(Now: Hilo Products, Inc.)			
Hilo Flea and Fungus Powder			
Rotenone.....	1.20	1.17	Passed
Dichlorophene.....	0.50		
Hexachlorophene.....	0.50		
Theoretical chlorine.....	0.39	0.38	
Rotenone.....	1.20	1.46	Passed
Dichlorophene.....	0.50		
Hexachlorophene.....	0.50		
Theoretical chlorine.....	0.39	0.35	
ROTENONE-LETHANE 60-SULFUR			
Parrott Chemical Co.			
Lucky Strike Formula No. 100 Beetle Buster			
Rotenone.....	0.75	0.57	Passed
Lethane 60.....	1.00	Present	
Sulfur.....	15.00	16.34	
Rotenone.....	0.75	0.69	Passed
Lethane 60.....	1.00	Present	
Sulfur.....	15.00	15.60	
ROTENONE-LETHANE 384-SULFUR			
Black Panther Company, Inc.			
Black Panther Dust			
Rotenone.....	0.75	0.78	Passed
Lethane 384.....	0.20	Present	
Sulfur.....	10.00	10.29	
ROTENONE-PINE OIL-PIPERONYL BUTOXIDE-PYRETHRINS			
Whitmire Research Laboratories, Inc.			
Whitmire's Flys-Off Settling Mist Insecticide			
Rotenone.....	0.10	Present	Passed
Pine oil.....	5.00	Present	
Piperonyl butoxide.....	0.10	Present	
Pyrethrins.....	0.05	0.08	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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ROTENONE-PIPERONYL BUTOXIDE- PYRETHRINS

Boyle-Midway Inc.

Black Flag Flea, Tick and Louse Powder

Rotenone.....	0.50	0.35	Passed
Piperonyl butoxide.....	1.00	1.22	
Pyrethrins.....	0.10	0.15	
Rotenone.....	0.50	0.52	Passed
Piperonyl butoxide.....	1.00	1.00	
Pyrethrins.....	0.10	0.10	
Rotenone.....	0.50	0.51	Passed
Piperonyl butoxide.....	1.00	1.23	
Pyrethrins.....	0.10	0.10	
Rotenone.....	0.50	0.55	Passed
Piperonyl butoxide.....	1.00	0.97	
Pyrethrins.....	0.10	0.12	

GurMiCo Chemicals, Inc.

GurMiCo Many Purpose Insect Dust

Rotenone.....	0.25	0.29	Passed
Piperonyl butoxide.....	0.50	0.52	
Pyrethrins.....	0.05	0.06	
Rotenone.....	0.25	0.30	Passed
Piperonyl butoxide.....	0.50	0.55	
Pyrethrins.....	0.05	0.06	

McCormick and Company, Inc.

Bee Brand Insecticidal Shampoo

Rotenone.....	0.10	Present	Passed
Piperonyl butoxide.....	0.50	0.36	
Pyrethrins.....	0.10	0.14	

ROTENONE-PYRETHRINS

Globe Laboratories

Division of Chas. Pfizer and Company, Inc.

Globe Dog Flea Spray

Rotenone.....	0.012	Present	Not Registered
Pyrethrins.....	0.084	0.074	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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ROTENONE-PYRETHRINS-SULFUR**Southern Agricultural Insecticides, Inc.****SA-50 Brand Mexican Bean Beetle Control**

Rotenone.....	0.50	0.53	Passed
Pyrethrins.....	0.04	0.06	
Sulfur.....	18.00	18.57	
Rotenone.....	0.50	0.48	Passed
Pyrethrins.....	0.04	0.06	
Sulfur.....	18.00	18.75	

SA-50 Brand SA-100 for Mexican Bean Beetle Control

Rotenone.....	1.00	1.09	Passed
Pyrethrins.....	0.08	0.10	
Sulfur.....	18.00	17.86	
Rotenone.....	1.00	1.12	Passed
Pyrethrins.....	0.08	0.10	
Sulfur.....	18.00	20.19	
Rotenone.....	1.00	1.01	Passed
Pyrethrins.....	0.08	0.10	
Sulfur.....	18.00	19.63	

**ROTENONE-PYRETHRINS-
SULFUR-ZINEB****Swift and Co.
Agricultural Chemical Div.****End-O-Pest for Gardens**

Rotenone.....	1.00	0.86	Deficient
Pyrethrins.....	0.10	0.16	
Sulfur.....	10.00	10.51	
Zineb.....	3.25	2.79	Passed
Rotenone.....	1.00	1.08	
Pyrethrins.....	0.10	0.12	
Sulfur.....	10.00	10.85	
Zineb.....	3.25	3.31	

End-O-Pest 3 Way Garden Dust

Rotenone.....	1.00	0.89	Deficient
Pyrethrins.....	0.10	0.11	
Sulfur.....	10.00	10.80	
Zineb.....	3.25	2.80	

ROTENONE-SULFUR**Black Panther Company, Inc.****Black Panther Dust**

Rotenone.....	0.75	0.63	Passed
Sulfur.....	10.00	11.30	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
William Cooper and Nephews, Inc.			
Cooper Dri-Kill			
Rotenone.....	0.10	Present	Passed
Sulfur.....	10.00	10.35	
Graham Chemical Company, Inc.			
Graham's Red Star Agricultural Vegetable Dust			
Rotenone.....	1.00	1.10	Passed
Sulfur.....	15.00	16.17	
Rotenone.....	1.00	1.01	Passed
Sulfur.....	15.00	14.71	
Rotenone.....	1.00	0.96	Passed
Sulfur.....	15.00	15.72	
K-9-Products			
Dorsey's K-9 Flea and Mange Killer			
Rotenone.....	2.00	1.83	Not
Sulfur.....	66.70	77.77	Registered
Dr. LeGear, Inc.			
Dr. LeGear Grub and Louse Dust			
Rotenone.....	1.70	1.61	Passed
Sulfur.....	8.00	8.00	
Maxwell Insecticide Company, Inc.			
Maxwell 1% Rotenone Dust			
Rotenone.....	1.00	0.88	Passed
Sulfur.....	15.00	15.88	
Rotenone.....	1.00	1.03	Passed
Sulfur.....	15.00	15.39	
Rotenone.....	1.00	0.98	Passed
Sulfur.....	15.00	15.38	
Maxwell Cattle Grub and Louse Powder			
Rotenone.....	1.50	1.49	Passed
Sulfur.....	65.00	64.83	
Rotenone.....	1.50	1.52	Passed
Sulfur.....	65.00	63.90	
Rotenone.....	1.50	1.61	Passed
Sulfur.....	65.00	64.11	
Wyatt-Quarles Seed Co.			
Wyatt-Quarles 1% Rotenone Dust			
Rotenone.....	1.00	0.92	Passed
Sulfur.....	15.00	14.67	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SABADILLA			
Cape Fear Chemicals, Inc.			
Tiger Brand 20% Sabadilla Dust			
Sabadilla alkaloids.	0.80	0.76	Passed
Daly-Herring Co.			
Dee Aitch 10% Sabadilla Dust			
Sabadilla alkaloids.	0.40	0.72	Passed
GurMiCo Chemicals, Inc.			
GurMiCo 20% Sabadilla Dust			
Sabadilla alkaloids.	0.80	1.03	Passed
Maxwell Insecticide Company, Inc.			
Maxwell 20% Sabadilla Dust			
Sabadilla alkaloids.	0.80	1.15	Passed
do.	0.80	0.94	Passed
do.	0.80	1.02	Passed
Pearson and Co.			
Red-Devil Dust (Containing 20% Sabadilla)			
Sabadilla alkaloids.	0.80	0.86	Passed
Taylor Chemical Co.			
Superkill 20% Sabadilla Dust			
Sabadilla alkaloids.	0.80	0.88	Passed
SABADILLA-SULFUR			
Southern Agricultural Chemicals, Inc.			
Royal Brand Saba Dust 20			
Sabadilla alkaloids.	0.60	0.54	Deficient
Sulfur.	15.00	13.07	
SEVIN			
Acme Quality Paints, Inc.			
Acme Sevin 5% Dust			
Sevin.	5.00	5.21	Passed
Acme Sevin 50 W			
Sevin.	50.00	51.34	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
California Chemical Company-Ortho Div.			
Ortho Sevin Bean Dust			
Sevin	1.75	1.73	Passed
Ortho Sevin 5 Dust			
Sevin	5.00	5.00	Passed
do	5.00	5.29	Passed
do	5.00	4.95	Passed
Ortho Sevin 7.5 Dust			
Sevin	7.50	8.10	Passed
Ortho Sevin 10 Dust			
Sevin	10.00	10.64	Passed
do	10.00	10.68	Passed
do	10.00	10.72	Passed
do	10.00	10.43	Passed
Ortho Sevin 50 Wettable			
Sevin	50.00	50.24	Passed
Carolina Chemical Corp.			
Champion Sevin 5% Garden Dust			
Sevin	5.00	5.44	Passed
Champion 10% Sevin Dust			
Sevin	10.00	10.87	Passed
Carolina Chemicals, Inc.			
Flight Brand Sevin Bean Dust			
Sevin	1.75	1.94	Passed
Flight Brand 10% Sevin Dust			
Sevin	10.00	10.60	Passed
Coastal Chemical Corp.			
Coastal 5% Sevin Dust			
Sevin	5.00	4.97	Passed
Daly-Herring Co.			
Bacco 5% Sevin Dust			
Sevin	5.00	5.20	Passed
Dee Aitch Sevin Bean Dust			
Sevin	5.00	5.23	Passed
Dee Aitch 10% Sevin Dust			
Sevin	10.00	9.65	Passed
do	10.00	9.66	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Farmers Cooperative Exchange, Inc.			
FCX 5% Sevin Dust			
Sevin	5.00	5.07	Passed
do	5.00	5.16	Passed
do	5.00	5.06	Passed
do	5.00	4.91	Passed
FCX 10% Dust for Tobacco Contains Sevin			
Sevin	10.00	9.81	Passed
do	10.00	10.46	Passed
do	10.00	9.62	Passed
Faesy and Besthoff, Inc.			
F and B Sevin 50% Wettable Powder			
Sevin	50.00	51.51	Passed
Florida Agricultural Supply Co. Division of Wilson and Toomer Fertilizer Co.			
Fasco Sevin Bean Dust-175			
Sevin	1.75	1.77	Passed
Graham Chemical Company, Inc.			
Graham's Red Star Sevin Dust			
Sevin	2.50	2.54	Passed
GurMiCo Chemicals, Inc.			
GurMiCo 10% Sevin Dust			
Sevin	10.00	9.57	Passed
GurMiCo 50% Sevin Wettable Powder			
Sevin	50.00	44.37	Deficient
Joro, Inc.			
Nok-Out 175 Dust			
Sevin	1.75	3.64	Excessive Active Ingredient
Maxwell Insecticide Company, Inc.			
Maxwell 5% Sevin Tobacco Dust			
Sevin	5.00	5.25	Passed
do	5.00	5.06	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Miller Chemical and Fertilizer Corp.			
Miller Sevin 1.75% Dust			
Sevin	1.75	3.01	Excessive Active Ingredient Passed
do	1.75	2.02	
Miller 3% Sevin Dust			
Sevin	3.00	3.79	Passed
do	3.00	2.93	Passed
Miller Sevin #5 Aqua			
Sevin	53.68	55.58	Passed
Niagara Chemical Div. Food Machinery and Chemical Corp.			
Niagara Sevin 10 Dust			
Sevin	10.00	10.57	Passed
Planters Chemical Corp.			
Planters 5% Sevin Dust			
Sevin	5.00	4.88	Passed
do	5.00	4.82	Passed
Planters 10% Sevin Dust			
Sevin	10.00	10.85	Passed
Rigo Manufacturing Co.			
Kill-Ko Vegetable Dust			
Sevin	5.00	5.66	Passed
do	5.00	4.87	Passed
Kill-Ko 80% Sevin Wettable			
Sevin	80.00	81.04	Passed
Southern Agricultural Chemicals, Inc.			
Royal Brand 7.5% Sevin Cotton Dust			
Sevin	7.50	8.05	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Sevin 1.75% Dust			
Sevin	1.75	2.22	Passed
do	1.75	2.88	Passed
do	1.75	2.15	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SA-50 Brand Sevin 3% Dust			
Sevin.....	3.00	3.11	Passed
SA-50 Brand Sevin 5% Dust			
Sevin.....	5.00	5.08	Passed
do.....	5.00	5.16	Passed
SA-50 Brand Sevin 50 W Insecticide			
Sevin.....	50.00	50.63	Passed
Stauffer Chemical Co.			
Stauffer Sevin 1.75 Dust			
Sevin.....	1.75	2.17	Passed
Sevin 4 Flowable			
Sevin.....	41.90	40.13	Passed
Stauffer Sevin 50-W			
Sevin.....	50.00	51.90	Passed
Swift and Co. Agricultural Chemical Div.			
Swift's Vegetable Dust 5% Sevin			
Sevin.....	5.00	4.94	Passed
do.....	5.00	4.75	Passed
do.....	5.00	4.40	Deficient
Taylor Chemical Co.			
Superkill 1¾% Sevin Dust			
Sevin.....	1.75	1.89	Passed
Superkill 5% Sevin Dust			
Sevin.....	5.00	4.95	Passed
do.....	5.00	4.84	Passed
do.....	5.00	5.56	Passed
do.....	5.00	5.28	Passed
Superkill 7½% Sevin Dust			
Sevin.....	7.50	7.70	Passed
Superkill 10% Sevin Dust			
Sevin.....	10.00	10.94	Passed
Superkill 50% Sevin Wettable Powder			
Sevin.....	50.00	51.50	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Weston Products Co.			
Dr. Douglas' Flea and Tick Powder			
Sevin.....	5.00	5.43	Passed
Woolfolk Chemical Works, Ltd.			
Security Brand 1¾% Sevin Bean Dust			
Sevin.....	1.75	2.01	Passed
do.....	1.75	1.88	Passed
do.....	1.75	1.78	Passed
Security Brand 5% Sevin Garden Dust			
Sevin.....	5.00	5.16	Passed
do.....	5.00	4.77	Passed
do.....	5.00	5.21	Passed
do.....	5.00	4.77	Passed
do.....	5.00	5.57	Passed
Security Brand 50% Sevin Wettable			
Sevin.....	50.00	51.90	Passed
SEVIN-COPPER			
Farmers Cooperative Exchange, Inc.			
FCX "73" Potato and Tomato Dust			
Sevin.....	3.00	3.03	Passed
Copper as metallic.....	7.00	6.83	
Sevin.....	3.00	3.13	Passed
Copper as metallic.....	7.00	6.95	
SEVIN-COPPER-SULFUR			
California Chemical Company-Ortho Div.			
Ortho Sevin-Copper-Sulfur 5-4-80 Peanut Dust			
Sevin.....	5.00	5.74	Deficient
Copper as metallic.....	4.00	3.64	
Sulfur.....	80.00	76.00	
Daly-Herring Co.			
Dee Atich 4% Metallic Copper-5% Sevin-74% Sulphur Peanut Dust			
Sevin.....	5.00	6.32	Deficient
Copper as metallic.....	4.00	3.59	
Sulphur.....	74.00	73.50	
Farmers Cooperative Exchange, Inc.			
FCX Copper Sulphur Sevin Dust			
Sevin.....	5.00	5.74	Passed
Copper as metallic.....	4.00	4.09	
Sulphur.....	80.00	79.80	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
GurMiCo Chemicals, Inc.			
GurMiCo 4% Copper 5% Sevin 75% Sulphur Peanut Special			
Sevin.....	5.00	5.74	Deficient
Copper as metallic.....	4.00	3.84	
Sulphur.....	75.00	70.90	
Niagara Chemical Div. Food Machinery and Chemical Corp.			
Niagara Copper 4 Sevin 5 Sulphur 80 Peanut Dust			
Sevin.....	5.00	5.74	Passed
Copper as metallic.....	4.00	3.86	
Sulphur.....	80.00	80.69	
Planters Chemical Corp.			
Planters Sevin-Copper-Sulfur Dust for Peanuts			
Sevin.....	5.00	4.88	Deficient
Copper as metallic.....	4.00	3.97	
Sulfur.....	75.00	71.00	
Sevin.....	5.00	6.17	Passed
Copper as metallic.....	4.00	3.84	
Sulfur.....	75.00	72.83	
Taylor Chemical Co.			
Taylor Copper-Sevin-Sulphur Peanut Dust			
Sevin.....	5.00	6.89	Passed
Copper as metallic.....	4.00	3.86	
Sulphur.....	80.00	79.44	
Sevin.....	5.00	6.74	Passed
Copper as metallic.....	4.00	3.81	
Sulphur.....	80.00	79.29	
Woodbury Chemical Co.			
Copper-Sevin-Sulfur 3.4-5-75 Dust			
Sevin.....	5.00	5.74	Passed
Copper as metallic.....	3.40	4.01	
Sulfur.....	75.00	76.45	

SEVIN-DICHLOROPHENE

Happy Jack, Inc.

Happy Jack Flea-Tick-Powder

Sevin	5.00	5.63	Passed
Dichlorophene	1.00	1.24	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Thuron Industries, Inc.			
Starbar Div.			
Starbar Trix Flea and Tick Powder			
Sevin	5.00	5.66	Passed
Dichlorophene	0.50	0.50	
SEVIN-MANEB			
W. R. Grace and Co.			
Davison Chemical Div.			
Naco 5% Sevin and 6% Manzate			
Sevin	5.00	5.58	Deficient
Maneb	4.80	4.04	
SEVIN—N-OCTYL BICYCLOHEPTENE DICARBOXIMIDE—PIPERONYL BUTOXIDE—PYRETHRINS			
Ralston Purina Co.			
Purina Dog Spray			
Sevin	0.50		Passed
N-octyl bicycloheptene dicarboximide ..	0.20		
Piperonyl butoxide	0.12	0.11	
Pyrethrins	0.06	0.08	
Theoretical nitrogen	0.05	0.05	
SEVIN-PARATHION			
California Chemical Company-Ortho Div.			
Ortho Sevin-Parathion 5-1 Dust			
Sevin	5.00	5.40	Passed
Parathion	1.00	0.95	
Sevin	5.00	5.81	Deficient
Parathion	1.00	0.92	
Sevin	5.00	3.45	Deficient
Parathion	1.00	1.18	
Farmers Cooperative Exchange, Inc.			
FCX 5% Sevin + 1% Parathion Dust			
Sevin	5.00	5.85	Passed
Parathion	1.00	1.01	
Sevin	5.00	5.70	Deficient
Parathion	1.00	0.86	
Planters Chemical Corp.			
Planters Sevin Tobacco Protector			
Sevin	5.00	6.12	Passed
Parathion	1.00	0.97	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Taylor Chemical Co.			
Superkill Tobacco Dust No. 51			
Sevin	5.00	6.08	Passed
Parathion.....	1.00	0.95	
SEVIN-ROTENONE			
Whitmire Research Laboratories, Inc.			
Whitmire's Flys-Off Larvacide Dairy 3-Way Concentrate			
Sevin	1.00	2.44	Excessive Active Ingredient
Rotenone.....	0.30	Present	
SEVIN-SULFUR			
California Chemical Company-Ortho Div.			
Ortho Sevin Sulfur 5-40 Dust			
Sevin	5.00	4.88	Deficient
Sulfur.....	40.00	34.42	
Daly-Herring Co.			
Dee Aitch 5% Sevin 80% Sulphur Peanut Dust			
Sevin	5.00	5.74	Passed
Sulphur.....	80.00	77.68	
J. M. Harris Company, Inc.			
New Blue Dragon contains Sevin			
Sevin	2.00	2.24	Passed
Sulphur.....	10.00	10.26	
Sevin	2.00	2.58	Passed
Sulphur.....	10.00	10.21	
Sevin	2.00	2.44	Passed
Sulphur.....	10.00	10.49	
Sevin	2.00	2.87	Passed
Sulphur.....	10.00	10.17	
Sevin	2.00	2.80	Passed
Sulphur.....	10.00	9.99	
Mike, Inc.			
101 Brand Sevin Bean Dust			
Sevin	1.75	1.72	Passed
Sulfur.....	18.00	17.68	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters Chemical Corp.			
Planters 5% Sevin-Sulfur Dust			
Sevin.....	5.00	6.03	Passed
Sulfur.....	75.00	71.38	
Ralston Purina Co.			
Purina Poultry Dusting Powder			
Sevin.....	5.00	5.17	Passed
Sulfur.....	10.00	11.01	
Sevin.....	5.00	4.75	Passed
Sulfur.....	10.00	11.05	
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Sevin 1.75% Dust with 60% Sulfur			
Sevin.....	1.75	1.86	Passed
Sulfur.....	60.00	60.45	
Sevin.....	1.75	2.01	Passed
Sulfur.....	60.00	61.87	
Sevin.....	1.75	2.58	Deficient
Sulfur.....	60.00	55.74	
Sevin.....	1.75	1.91	Deficient
Sulfur.....	60.00	50.98	
SA-50 Brand Sevin 3% Dust with 25% Sulfur			
Sevin.....	3.00	3.44	Passed
Sulfur.....	25.00	25.20	
SA-50 Brand Sevin 3% Dust with 50% Sulfur			
Sevin.....	3.00	3.44	Passed
Sulfur.....	50.00	51.50	
Sevin.....	3.00	3.16	Passed
Sulfur.....	50.00	50.24	
Taylor Chemical Co.			
Superkill 5% Sevin-85% Sulphur Peanut Dust			
Sevin.....	5.00	5.74	Passed
Sulphur.....	85.00	82.40	
SEVIN-SULFUR-ZINEB			
Acme Quality Paints, Inc.			
Acme Tomato Vegetable Dust			
Sevin.....	3.00		Passed
Sulfur.....	20.00	21.25	
Zineb.....	5.20	5.30	
Theoretical nitrogen.....	0.74	0.70	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
STROBANE			
Shulton, Inc.			
Bridgeport Moth Proofer			
Strobane	5.00	5.21	Passed
STROBANE-ALLETHRIN-LETHANE 384-PIPERONYL BUTOXIDE			
Acme Quality Paints, Inc.			
Acme Fly and Mosquito Spray			
Strobane	2.00	2.56	Passed
Allethrin	0.10	Present	
Lethane 384	1.00	Present	
Piperonyl butoxide	0.25	0.22	
STROBANE-PIPERONYL BUTOXIDE-PYRETHRINS			
Colgate-Palmolive Co.			
Colgate's Kan-Kil Aerosol Fly and Mosquito Killer			
Strobane	2.00	2.43	Passed
Piperonyl butoxide	0.50	0.46	
Pyrethrins	0.20	0.28	
Hess and Clark Division of Richardson-Merrell, Inc.			
Hess and Clark Hess Bomb			
Strobane	2.00	1.96	Passed
Piperonyl butoxide	0.80	0.94	
Pyrethrins	0.20	0.26	
Strobane	2.00	2.12	Passed
Piperonyl butoxide	0.80	0.76	
Pyrethrins	0.20	0.24	
STROBANE-PIPERONYL BUTOXIDE- PYRETHRINS-RONNEL-THANITE			
California Chemical Company-Ortho Div.			
Ortho Mosquito and Fly Bomb			
Strobane	1.00		Passed
Piperonyl butoxide	0.20	0.18	
Pyrethrins	0.025	0.035	
Ronnel	0.40		
Thanite	1.00	Present	
Theoretical chlorine	0.79	0.75	Passed
Strobane	1.00		
Piperonyl butoxide	0.20	0.13	
Pyrethrins	0.025	0.04	
Ronnel	0.40		
Thanite	1.00	Present	
Theoretical chlorine	0.79	0.77	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
STRYCHNINE			
Carajon Chemical Company, Inc.			
Force's Quick Acting Ro-Dex			
Strychnine alkaloid.....	0.50	0.74	Passed
W. G. Reardon Laboratories, Inc.			
Mouse Seed Kills Mice			
Strychnine.....	0.40	0.70	Passed
THALLIUM SULFATE			
Black Magic Co.			
Black Magic Roach, Waterbug and Mouse Killer			
Thallium sulfate.....	1.25	1.23	Passed
Boyle-Midway Inc.			
Black Flag Ant Traps			
Thallium sulfate.....	1.17	1.26	Passed
do.....	1.17	1.18	Passed
do.....	1.17	1.12	Passed
Carajon Chemical Company, Inc.			
Force's Poison Peanuts			
Thallium sulfate.....	1.00	1.18	Passed
do.....	1.00	0.87	Deficient
James W. King Co.			
King Kong Tiny Roach (WaterBug) Sweet Eating			
Ant and Mouse Destroyer			
Thallium sulfate.....	1.25	1.22	Passed
O. E. Linck Company, Inc.			
Division of Walco-Linck Corp.			
Tat Mo-Go			
Thallium sulfate.....	1.00	1.15	Passed
do.....	1.00	0.95	Passed
do.....	1.00	1.41	Passed
Master Products Co.			
Rat Stop			
Thallium sulfate.....	1.00	0.99	Passed
do.....	1.00	1.18	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Nott Manufacturing Company, Inc.			
Mole-Nots			
Thallium sulfate.	1.00	1.16	Not Registered
do.	1.00	0.98	Not Registered
Rotenone Products Co.			
Antchek Ant Trap			
Thallium sulfate.	1.20	1.28	Passed
W. R. Sweeney Manufacturer, Inc.			
Sweeney's Poison Peanuts			
Thallium sulfate.	1.00	0.99	Passed
THIODAN			
California Chemical Company-Ortho Div.			
Ortho Thiodan 2 Emulsion			
Thiodan.	23.50	24.16	Passed
Olin Mathieson Chemical Corp.			
Thiodan 2 lb. Emulsifiable			
Thiodan.	24.00	25.29	Passed
THIRAM			
E. I. du Pont de Nemours and Co.			
Du Pont Arasan 50-Red Thiram Seed Protectant			
Thiram.	50.00	51.48	Passed
do.	50.00	51.13	Passed
do.	50.00	49.00	Passed
TOXAPHENE			
Armour Agricultural Chemical Co.			
Armagard 20% Toxaphene Dust			
Toxaphene.	20.00	19.86	Passed
California Chemical Company-Ortho Div.			
Ortho Toxaphene 20 Dust			
Toxaphene.	20.00	20.57	Passed
do.	20.00	20.28	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carolina Chemical Corp.			
10% Toxaphene Dust			
Toxaphene.....	10.00	9.72	Passed
20% Toxaphene Dust			
Toxaphene.....	20.00	19.42	Passed
Coastal Chemical Corp.			
Toxaphene Emulsion			
Toxaphene.....	60.40	58.15	Passed
Daly-Herring Co.			
Dee Aitch 20% Toxaphene Cotton Dust			
Toxaphene.....	20.00	20.28	Passed
do.....	20.00	20.13	Passed
Dee Aitch 60% Toxaphene Emulsifiable Concentrate			
Toxaphene.....	60.40	61.09	Passed
Farmers Cooperative Exchange, Inc.			
FCX 10% Toxaphene			
Toxaphene.....	10.00	10.14	Passed
FCX 20-0 Toxaphene			
Toxaphene.....	20.00	19.28	Passed
do.....	20.00	19.72	Passed
do.....	20.00	20.57	Passed
do.....	20.00	18.14	Deficient
FCX Toxaphene Emulsion Concentrate			
Toxaphene.....	60.00	60.45	Passed
GurMiCo Chemicals, Inc.			
GurMiCo Toxaphene 20 Dust			
Toxaphene.....	20.00	20.56	Passed
GurMiCo Toxaphene 60% Emulsion			
Toxaphene.....	60.00	57.83	Passed
do.....	60.00	59.44	Passed
Howerton Gowen Chemicals, Inc.			
Gowen's 20% Toxaphene Cotton Dust			
Toxaphene.....	20.00	20.13	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Insecticide Company, Inc.			
Maxwell Toxaphene Emulsion 60			
Toxaphene.....	60.40	58.41	Passed
do.....	60.40	61.43	Passed
Niagara Chemical Div. Food Machinery and Chemical Corp.			
Niagara Toxakil Miscible....			
Toxaphene.....	60.00	59.80	Passed
Olin Mathieson Chemical Corp.			
Mathieson Toxaphene "20" Dust			
Toxaphene.....	20.00	20.29	Passed
Toxaphene 6 lb. Emulsifiable Liquid			
Toxaphene.....	58.80	56.49	Passed
W. R. Peele Company, Inc.			
Pelco 20% Toxaphene Dust			
Toxaphene.....	20.00	20.86	Passed
Pelco Toxaphene 60-E. C.			
Toxaphene.....	57.50	58.22	Passed
do.....	57.50	57.23	Passed
Planters Chemical Corp.			
Planters 20% Toxaphene Dust			
Toxaphene.....	20.00	20.00	Passed
Planters Toxaphene 6 lb. Emulsion Concentrate			
Toxaphene.....	60.00	61.53	Passed
do.....	60.00	60.81	Passed
Smith-Douglass Company, Inc.			
Smith-Douglass 20% Toxaphene Dust			
Toxaphene.....	20.00	20.13	Passed
Smith-Douglass 6 lb. Toxaphene Emulsion Concentrate			
Toxaphene.....	60.00	59.01	Passed
Southern Agricultural Chemicals, Inc.			
Royal Brand 20% Toxaphene Dust			
Toxaphene.....	20.00	19.85	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear 20% Toxaphene Dust			
Toxaphene.....	20.00	19.42	Passed
Taylor Chemical Co.			
Superkill 20% Toxaphene Dust			
Toxaphene.....	20.00	20.99	Passed
do.....	20.00	20.56	Passed
Superkill 60% Toxaphene Emulsifiable Concentrate			
Toxaphene.....	60.00	60.03	Passed
do.....	60.00	59.75	Passed
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Toxaphene Emulsifiable Concentrate			
Toxaphene.....	60.00	60.79	Passed
do.....	60.00	61.62	Passed
do.....	60.00	61.12	Passed
TOXAPHENE-COPPER			
Miller Chemical and Fertilizer Corp.			
Miller Tomato Dust or Spray (New Formula)			
Toxaphene.....	10.00	9.85	Deficient Not Registered
Copper as metallic.....	2.96	2.49	
TOXAPHENE-DDT			
American Oil Co.			
Amoco 14 Tox-7 DDT Dust			
Toxaphene.....	14.00	13.07	Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88		
Armour Agricultural Chemical Co.			
Armagard Toxaphene-DDT Cotton Dust			
Toxaphene.....	14.00	12.24	Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88		
Armagard Toxaphene DDT Emulsion Concentrate			
Toxaphene.....	40.00	38.06	Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
California Chemical Company-Ortho Div.			
Ortho Toxaphene-DDT 14-7 Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.04	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.68	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.22	
Carolina Chemical Corp.			
Champion Cotton Special 14% Toxaphene 7% DDT Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.51	
Champion Cotton Special			
Toxaphene.....	40.00		Passed
DDT.....	23.00		
Theoretical chlorine.....	38.30	36.91	
Toxaphene.....	40.00		Deficient
DDT.....	23.00		
Theoretical chlorine.....	38.30	35.60	
Coastal Chemical Corp.			
Coastal 14% Toxaphene 7% DDT			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.41	
40% Toxaphene 20% DDT			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.06	
Daly-Herring Co.			
Dee Aitch 14% Toxaphene 7% DDT			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.04	
Dee Aitch 40% Toxaphene 20% DDT			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	36.93	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Farmers Cooperative Exchange, Inc.			
FCX 14-7 Dust (Toxaphene-DDT)			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.79	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.31	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.42	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.59	
FCX "42" Cotton Spray			
Toxaphene.....	38.70		Passed
DDT.....	19.30		
Theoretical chlorine.....	35.38	36.35	
Toxaphene.....	38.70		Passed
DDT.....	19.30		
Theoretical chlorine.....	35.38	36.73	
GurMiCo Chemicals, Inc.			
GurMiCo DDT 7 Toxaphene 14 Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.86	
GurMiCo Toxaphene 4 DDT 2 Emulsive			
Toxaphene.....	38.00		Passed
DDT.....	19.00		
Theoretical chlorine.....	34.96	35.96	
Toxaphene.....	38.00		Passed
DDT.....	19.00		
Theoretical chlorine.....	34.96	36.53	
Howerton Gowen Chemicals, Inc.			
Gowen's 14% Toxaphene 7% DDT			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.71	
Maxwell Insecticide Company, Inc.			
Maxwell Toxaphene-DDT Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.95	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Toxaphene-DDT Emulsion 4-2			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.67	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.74	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.81	
Meherrin Agricultural and Chemical Co.			
Red Kay DDT-Toxaphene 7-14 Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.86	
Niagara Chemical Div. Food Machinery and Chemical Corp.			
Niagara DDT 7 Toxaphene 14 Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.88	
Olin Mathieson Chemical Corp.			
Mathieson Toxaphene 14—DDT 7 Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.52	
W. R. Peele Company, Inc.			
Pelco Toxaphene-DDT Emulsion Concentrate			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.55	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.88	
Planters Chemical Corp.			
Planters Toxaphene-DDT Cotton Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.13	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters Toxaphene DDT Emulsion Concentrate			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	36.21	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	35.63	
Royster Chemical Co.			
Royster Cotton "714" Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.59	
Royster Chem-Pest Cotton "204" Spray-DDT-Toxaphene			
Toxaphene.....	39.40		Passed
DDT.....	19.50		
Theoretical chlorine.....	36.15	35.31	
Smith-Douglass Company, Inc.			
Smith-Douglass Toxaphene-DDT Cotton Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.86	
Smith-Douglass Toxaphene-DDT Emulsion Concentrate			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	36.72	
Southern Agricultural Chemicals, Inc.			
Royal Brand Toxaphene 14-DDT 7 Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.86	
Royal Brand Toxaphene 20-DDT 10 Dust			
Toxaphene.....	20.00		Passed
DDT.....	10.00		
Theoretical chlorine.....	18.40	18.63	
Royal Brand Toxaphene-DDT 4-2 Emulsifiable			
Toxaphene.....	39.50		Passed
DDT.....	19.70		
Theoretical chlorine.....	36.32	38.04	
Toxaphene.....	39.50		Passed
DDT.....	19.70		
Theoretical chlorine.....	36.32	36.27	
Toxaphene.....	39.50		Passed
DDT.....	19.70		
Theoretical chlorine.....	36.32	37.10	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear 7% DDT 14% Toxaphene Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.70	
Swift's Gold Bear Toxaphene DDT VD 42 E			
Toxaphene.....	38.60		Passed
DDT.....	19.30		
Theoretical chlorine.....	35.51	36.92	
Toxaphene.....	38.70		Passed
DDT.....	19.40		
Theoretical chlorine.....	35.63	33.99	
Taylor Chemical Co.			
Superkill 14% Toxaphene-7% DDT Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.86	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.79	
Superkill 4:2 Toxaphene-DDT			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	36.52	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.68	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	36.08	
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico "42" Cotton Spray			
Toxaphene.....	38.70		Passed
DDT.....	19.50		
Theoretical chlorine.....	35.58	36.44	
Woolfolk Chemical Works, Ltd.			
Security Brand Tox-Sol-DDT-4-2			
Toxaphene.....	39.40		Passed
DDT.....	19.70		
Theoretical chlorine.....	36.25	36.98	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
TOXAPHENE-DDT-METHYL PARATHION			
California Chemical Company-Ortho Div.			
Ortho Custom Mix Toxaphene Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Methyl parathion.....	1.00	1.01	
Theoretical chlorine.....	12.88	13.25	
Carter Insecticide and Chemical Company, Inc.			
Carolina Brand P-D-T Cotton Poison			
Toxaphene.....	40.00		Deficient
DDT.....	20.00		
Methyl parathion.....	5.00	5.41	
Theoretical chlorine.....	36.80	32.76	
Toxaphene.....	40.00		Deficient
DDT.....	20.00		
Methyl parathion.....	5.00	4.76	
Theoretical chlorine.....	36.80	33.55	
Daly-Herring Co.			
Tri-Tox Cotton Spray Emulsifiable Concentrate			
Toxaphene.....	38.00		Passed
DDT.....	19.00		
Methyl parathion.....	0.48	Present	
Theoretical chlorine.....	34.96	35.47	
Toxaphene.....	38.00		Deficient
DDT.....	19.00		
Methyl parathion.....	0.48	Present	
Theoretical chlorine.....	34.96	32.18	
Toxaphene.....	38.00		Passed
DDT.....	19.00		
Methyl parathion.....	0.48	Present	
Theoretical chlorine.....	34.96	34.71	
Farmers Cooperative Exchange, Inc.			
FCX 14-7-2½ Dust (Toxaphene-DDT)			
Toxaphene.....	14.00		Deficient
DDT.....	7.00		
Methyl parathion.....	2.50	1.93	
Theoretical chlorine.....	12.88	12.51	
Niagara Chemical Div. Food Machinery and Chemical Corp.			
Niagara Nynamite Dust			
Toxaphene.....	10.00		Passed
DDT.....	9.00		
Methyl parathion.....	1.20	1.21	
Theoretical chlorine.....	11.20	11.12	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Niagara Nynamite Cust Continued			
Toxaphene.....	10.00		Passed
DDT.....	9.00		
Methyl parathion.....	1.20	1.14	
Theoretical chlorine.....	11.20	11.20	
W. R. Peele Company, Inc.			
Pelco 2-4-5 Super Cotton Spray Emulsion Concentrate			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Methyl parathion.....	5.00	4.80	
Theoretical chlorine.....	36.80	35.68	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Methyl parathion.....	5.00	4.82	
Theoretical chlorine.....	36.80	35.16	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Methyl parathion.....	5.00	4.92	
Theoretical chlorine.....	36.80	36.36	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Methyl parathion.....	5.00	4.78	
Theoretical chlorine.....	36.80	37.01	
Planters Chemical Corp.			
Planters Special Cotton Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Methyl parathion.....	1.00	1.06	
Theoretical chlorine.....	12.88	12.70	
Toxaphene.....	14.00		Deficient
DDT.....	7.00		
Methyl parathion.....	1.00	0.86	
Theoretical chlorine.....	12.88	12.51	
Planters Special Cotton Spray			
Toxaphene.....	38.88		Deficient
DDT.....	19.45		
Methyl parathion.....	6.08	4.67	
Theoretical chlorine.....	35.78	34.31	
Toxaphene.....	38.88		Deficient
DDT.....	19.45		
Methyl parathion.....	6.08	4.89	
Theoretical chlorine.....	35.78	34.98	
Southern Agricultural Chemicals, Inc.			
Royal Brand Triple Kill Cotton Spray 4-2-5			
Toxaphene.....	37.70		Excessive Active Ingredient
DDT.....	18.80		
Methyl parathion.....	4.70	7.92	
Theoretical chlorine.....	34.66	33.30	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Royal Brand Triple Kill Cotton Spray			
Toxaphene.....	37.70		Deficient
DDT.....	18.80		
Methyl parathion.....	9.40	11.58	
Theoretical chlorine.....	34.66	30.96	
United Cooperatives, Inc. (Registered by Farmers Cooperative Exchange, Inc.)			
Unico Cotton Bug Blaster			
Toxaphene.....	37.30		Passed
DDT.....	18.70		
Methyl parathion.....	6.80	7.15	
Theoretical chlorine.....	34.34	35.38	
Toxaphene.....	37.30		Passed
DDT.....	18.70		
Methyl parathion.....	6.80	7.23	
Theoretical chlorine.....	34.34	36.09	
Unico "421" Cotton Spray			
Toxaphene.....	37.30		Passed
DDT.....	18.70		
Methyl parathion.....	9.30	9.14	
Theoretical chlorine.....	34.34	35.51	

Woolfolk Chemical Works, Ltd.

Security Brand Super 3-Way Cotton Spray 4-2-1

Toxaphene.....	38.40		Passed
DDT.....	19.20		
Methyl parathion.....	9.60	9.23	
Theoretical chlorine.....	35.33	35.32	

TOXAPHENE-DDT-PARATHION**GurMiCo Chemicals, Inc.**

GurMiCo 7% DDT 14% Toxaphene 1% Parathion Dust

Toxaphene.....	14.00		Passed
DDT.....	7.00		
Parathion.....	1.00	1.05	
Theoretical chlorine.....	12.88	12.48	

Maxwell Insecticide Company, Inc.

Maxwell 14-7-1 Cotton Dust

Toxaphene.....	14.00		Passed
DDT.....	7.00		
Parathion.....	1.00	1.02	
Theoretical chlorine.....	12.88	13.25	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Olin Mathieson Chemical Corp.

Mathieson Super X Plus Cotton Dust

Toxaphene.....	14.00		Passed
DDT.....	7.00		
Parathion.....	1.00	1.28	
Theoretical chlorine.....	12.88	12.97	

W. R. Peele Company, Inc.

Pelco 14-7-1 Toxaphene-DDT-Parathion Dust

Toxaphene.....	14.00		Passed
DDT.....	7.00		
Parathion.....	1.00	1.14	
Theoretical chlorine.....	12.88	12.51	

TOXAPHENE-MALATHION**Thuron Industries, Inc.****Starbar Div.**

Starbar Lintox-M-Livestock Spray and Dip Backrubber Concentrate

Toxaphene.....	43.00	44.77	Passed
Malathion.....	4.30	4.43	

TOXAPHENE-PARATHION**California Chemical Company-Ortho Div.**

Ortho Parathion-Toxaphene 2-10 Dust

Toxaphene.....	10.00	8.65	Deficient
Parathion.....	2.00	2.20	

W. R. Grace and Co.**Davison Chemical Div.**

Naco Parathion Toxaphene 2-10 Dust

Toxaphene.....	10.00	9.79	Passed
Parathion.....	2.00	2.02	
Toxaphene.....	10.00	9.71	Passed
Parathion.....	2.00	2.10	

Mike, Inc.

101 Brand Pre-Heading Cabbage Dust with Toxaphene

Toxaphene.....	10.00	9.85	Passed
Parathion.....	1.50	1.58	
Toxaphene.....	10.00	10.00	Passed
Parathion.....	1.50	1.63	
Toxaphene.....	10.00	9.14	Deficient
Parathion.....	1.50	1.45	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Planters Chemical Corp.

Planters Toxaphene-Parathion Dust

Toxaphene.....	20.00	20.29	Passed
Parathion.....	2.00	1.90	

Southern Agricultural Insecticides, Inc.

SA-50 Brand Pre-Heading Cabbage Dust with Toxaphene

Toxaphene.....	10.00	10.56	Passed
Parathion.....	1.50	1.76	
Toxaphene.....	10.00	10.43	Passed
Parathion.....	1.50	1.61	
Toxaphene.....	10.00	10.79	Passed
Parathion.....	1.50	1.54	
Toxaphene.....	10.00	10.57	Passed
Parathion.....	1.50	1.64	
Toxaphene.....	10.00	10.42	Passed
Parathion.....	1.50	1.60	
Toxaphene.....	10.00	10.85	Passed
Parathion.....	1.50	1.51	
Toxaphene.....	10.00	10.00	Passed
Parathion.....	1.50	1.62	
Toxaphene.....	10.00	10.28	Passed
Parathion.....	1.50	2.09	
Toxaphene.....	10.00	10.70	Passed
Parathion.....	1.50	1.65	
Toxaphene.....	10.00	10.42	Passed
Parathion.....	1.50	1.62	
Toxaphene.....	10.00	10.28	Passed
Parathion.....	1.50	1.54	
Toxaphene.....	10.00	9.85	Passed
Parathion.....	1.50	1.65	
Toxaphene.....	10.00	10.14	Deficient
Parathion.....	1.50	1.21	

SA-50 Brand Pre-Head Dust 2-20

Toxaphene.....	20.00	19.28	Passed
Parathion.....	2.00	2.01	
Toxaphene.....	20.00	20.85	Passed
Parathion.....	2.00	2.09	
Toxaphene.....	20.00	22.42	Passed
Parathion.....	2.00	1.90	
Toxaphene.....	20.00	20.29	Passed
Parathion.....	2.00	2.24	
Toxaphene.....	20.00	21.56	Passed
Parathion.....	2.00	2.24	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SA-50 Brand Pre-Head Dust 2-20 Continued			
Toxaphene.....	20.00	21.56	Passed
Parathion.....	2.00	2.21	
Toxaphene.....	20.00	19.42	Passed
Parathion.....	2.00	1.98	
Toxaphene.....	20.00	20.13	Passed
Parathion.....	2.00	2.08	
TOXAPHENE-ZINEB			
Planters Chemical Corp.			
Planters Toxaphene-Zineb Dust			
Toxaphene.....	10.00	10.43	Passed
Zineb.....	3.90	3.88	
TRITHION			
Farmers Cooperative Exchange, Inc.			
FCX 2% Trithion Dust			
Trithion.....	2.00	2.67	Passed
Stauffer Chemical Co.			
Stauffer Trithion 4E-Emulsifiable Liquid			
Trithion.....	45.80	45.80	Passed
Taylor Chemical Co.			
Superkill Trithion 2 Dust			
Trithion.....	2.00	2.09	Passed
Superkill Trithion 4E			
Trithion.....	45.80	46.55	Passed
WARFARIN			
American Scientific Laboratories, Inc.			
Division of Schering Corp.			
Bannarat Prolin Bits			
Warfarin.....	0.025	0.032	Passed
Black Leaf Products Co.			
New! Warf with Prolin			
Warfarin.....	0.025	0.025	Passed
do.....	0.025	0.025	Passed
Boyle-Midway, Inc.			
Black Flag Warfarin Rat and Mouse Killer			
Warfarin.....	0.025	0.034	Passed
do.....	0.025	0.032	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
F. M. Byrd, Inc.			
.5% Polin Concentrate			
Warfarin.....	0.50	0.57	Passed
Chemical Insecticide Corp.			
Chem-Sect Brand Rat 42			
Warfarin.....	0.50	0.53	Passed
William Cooper and Nephews, Inc.			
Cooper Rat and Mouse Killer			
Warfarin.....	0.025	0.031	Not Registered
The d-Con Company, Inc.			
d-Con Mouse Prufe			
Warfarin, sodium salt.....	0.054	0.057	Passed
do.....	0.054	0.058	Passed
Dun-Win Co.			
Flavorized Rat Kakes			
Warfarin.....	0.025	0.028	Passed
Eagle Chemical Company, Inc.			
Eagle's-7 Kills Rats and Mice with Warfarin			
Warfarin.....	0.025	0.026	Passed
Farmers Cooperative Exchange, Inc.			
FCX Rat and Mouse Ready-to-Use Pellets			
Warfarin.....	0.025	0.027	Passed
GurMiCo Chemicals, Inc.			
GurMiCo Rat Kill			
Warfarin.....	0.025	0.028	Passed
do.....	0.025	0.026	Passed
Hess and Clark Division of Richardson-Merrell, Inc.			
WarfaRat Pellets			
Warfarin.....	0.025	0.031	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Hopkins Agricultural Chemical Co.			
Hopkins Prolin Redi-Mix Rat and Mouse Killer			
Warfarin.....	0.025	0.027	Passed
Hopkins Prolin Pellets			
Warfarin.....	0.025	0.031	Passed
Dr. LeGear, Inc.			
Dr. LeGear's New Prolin Mouse Bait			
Warfarin.....	0.025	0.026	Passed
do.....	0.025	0.025	Passed
do.....	0.025	0.031	Passed
Master Products Co.			
Rat Buster			
Warfarin.....	0.025	0.031	Passed
Rigo Manufacturing Co.			
Kill-Ko Prolin Rat Bait			
Warfarin.....	0.025	0.027	Passed
RoCon, Inc.			
RoCon Dry Meal Bait			
Warfarin.....	0.025	0.025	Passed
Seacoast Laboratories, Inc.			
Twin Light Rat Bait			
Warfarin.....	0.025	0.028	Passed
ZINC PHOSPHIDE			
Pearson and Co.			
Pearson's Rat Poison			
Zinc phosphide.....	2.00	2.80	Excessive Active Ingredient
do.....	2.00	2.84	Excessive Active Ingredient
ZINEB			
Maxwell Insecticide Company, Inc.			
Maxwell 10% "Dithane" Dust			
Zineb.....	6.50	6.42	Passed
do.....	6.50	8.22	Excessive Active Ingredient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Niagara Chemical Div. Food Machinery and Chemical Corp.			
Niagara Zineb 6.5 Dust			
Zineb.....	6.50	6.30	Passed
do.....	6.50	4.85	Deficient
W. R. Peele Company, Inc.			
Pelco Dithane Dust			
Zineb.....	6.50	6.36	Passed
Rohm and Haas Co.			
Dithane Z-78			
Zineb.....	75.00	82.81	Passed
Smith-Douglass Company, Inc.			
Smith-Douglass 61½% Zineb Dust			
Zineb.....	6.50	6.42	Passed

ZINEB-PARATHION

Olin Mathieson Chemical Corp.			
Mathieson Parathion 1%-Dithane 6% Dust			
Zineb.....	3.90	3.58	Deficient
Parathion.....	1.00	0.77	

MISCELLANEOUS INORGANIC

American Cyanamid Co.			
Cyanogas Kills Ants			
Calcium cyanide.....	42.00	36.76	Deficient
Taylor Chemical Co.			
Superkill Farm and Orchard Fungicide			
Sulphur.....	94.00	93.40	Passed

MISCELLANEOUS ORGANIC

California Chemical Company-Ortho Div.			
Ortho Phaltan 50 Wettable			
Phaltan.....	50.00	52.42	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carolina Chemicals, Inc.			
Flight Brand Bidrin 1.6 Solution			
Bidrin.....	21.81	23.46	Passed
Chemagro Corp.			
Guthion M-E Spray Concentrate			
Guthion.....	11.10		Passed
Ethyl guthion.....	11.10		
Theoretical phosphorus.....	2.11	2.49	
Scope Systemic Insecticide			
Disyston.....	2.00	2.18	Passed
The Dill Company, Inc.			
Dills All Over Flea Powder			
Lethane 60.....	2.00	3.82	Excessive Active Ingredient
The Dow Chemical Co.			
Dow Vidden D Soil Fumigant			
1,3-Dichloro propene; 1,2-Dichloropropane; and related chlorinated hydrocarbons.....	100.00		Passed
Theoretical chlorine.....	55.00	56.85	
Geigy Agricultural Chemicals Division of Geigy Chemical Corp.			
Geigy Snip Fly Brand			
Dimetilan.....	4.00		Passed
Theoretical nitrogen.....	0.87	0.93	
Dimetilan.....	4.00		Passed
Theoretical nitrogen.....	0.87	0.82	
Hess and Clark Division of Richardson-Merrell, Inc.			
Hess and Clark Fatal-Fly Dry Bait Fly Killer			
Dipterex.....	1.00	0.94	Deficient
Hot Shot Quality Products, Inc.			
Hot Shot Skram Personal Insect Repellent			
N,N-diethyl meta-toluidide.....	6.50		Passed
N-octyl bicycloheptene dicarboximide.....	2.00		
Di-N-propyl isocinchomeronate.....	1.25		
Theoretical nitrogen.....	0.68	1.00	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Hydroponic Chemical Company, Inc.			
Nibonex No-Nib'l Rabbit Repellent			
Zinc dimethyl dithio carbamate cyclo- hexylamine complex.....	23.00	23.28	Passed
Maxwell Insecticide Company, Inc.			
Maxwell Dinitro Weed Killer			
Alkanolamine salts (of the ethanol and isopropanol series) of dinitro-o-sec- butylphenol.....	53.00	53.94	Passed
Olin Mathieson Chemical Corp.			
Mathieson Terrachlor 40% Dust			
Pentachloronitrobenzene.....	40.00	40.57	Passed
Pittsburg Plate Glass Co. Corona Chemical Div.			
Corona Dinitro Powder CM-76			
Dinitro ortho cresol.....	40.00	41.11	Passed
Ralston Purina Co.			
Purina Insect Oil Concentrate			
Pentachlorophenol.....	30.70		Passed
Chloro o-phenyl phenol.....	5.00		
Other chlorophenols.....	4.40		
Theoretical chlorine.....	25.35	24.92	
Pentachlorophenol.....	30.70		Passed
Chloro o-phenyl phenol.....	5.50		
Other chlorophenols.....	4.40		
Theoretical chlorine.....	25.35	24.97	
Stauffer Chemical Co.			
Stauffer Trithion 4E			
Methyl trithion.....	45.80	45.73	Passed
Stauffer Vernam 6-E			
Vernam.....	75.90	73.36	Passed
Tavolek Laboratories Division of McNeil Laboratories, Inc.			
Raticake New Rat Killer with Shoxin			
Shoxin.....	0.50	0.49	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Taylor Chemical Co.			
Superskill Thiram-Terrachlor Cotton Soil Fungicide			
Thiram.....	10.00	10.89	Passed
Terrachlor.....	10.00	10.00	
Thiram.....	10.00	11.15	Passed
Terrachlor.....	10.00	10.07	

**Thompson-Hayward Chemical Co.
Philips Roxane Div.**

De-Pester Ciodrin E-1

Ciodrin.....	14.40	14.68	Passed
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**Thuron Industries, Inc.
Starbar Div.**

Star Lintox-D-w/Delnav Livestock Spray and

Dip Backrubber Concentrate			
Delnav.....	15.00	14.84	Passed

**United Cooperatives, Inc.
(Registered by Farmers Cooperative Exchange, Inc.)**

Unico Stock Dip and Disinfectant

Cresylic acid.....	12.00	11.52	Passed
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